Nikon

En

The Nikon Guide to Digital Photography
with the

DIGITAL CAMERA

COOLPIX
L2
L3

CE

Trademark Information

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Symbols and Conventions

To make it easier to find the information you need, the following symbols and conventions are used:

	This icon marks cautions, information that should be read before use to prevent damage to the camera.
	This icon marks notes, information that should be read before using the camera.
	This icon marks tips, additional information that may be helpful when using the camera.
	This icon indicates that more information is available elsewhere in this manual or in the *Quick Start Guide*.

Memory Cards

Pictures taken with this camera can be stored in the camera's internal memory or on removable memory cards. If a memory card is inserted, all new pictures will be stored on the memory card and delete, playback, and format operations will apply only to the pictures on the memory card. The memory card must be removed before the internal memory can be formatted or used to store, delete, or view pictures.

Introduction

Basic Photography and Playback

Scene Mode

Movies

Viewing Pictures on the Camera

Connecting to Televisions, Computers, and Printers

Menus

- Basic Camera Setup: The Setup Menu
- Shooting Options: The Shooting Menu
- Playback Options: The Playback Menu

Technical Notes

For Your Safety

To prevent damage to your Nikon product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use the product will read them.
The consequences that could result from failure to observe the precautions listed in this section are indicated by the following symbol:

This icon marks warnings, information that should be read before using this Nikon product to prevent possible injury.

WARNINGS

⚠ Turn off in the event of malfunction

Should you notice smoke or an unusual smell coming from the camera or AC adapter, unplug the AC adapter and remove the batteries immediately, taking care to avoid burns. Continued operation could result in injury. After removing or disconnecting the power source, take the equipment to a Nikon-authorized service representative for inspection.

⚠ Do not disassemble

Touching the product's internal parts could result in injury. Repairs should be performed only by qualified technicians. Should the camera break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection after unplugging the product and/or removing the batteries.

⚠ Do not use the camera or AC adapter in the presence of flammable gas

Do not use electronic equipment in the presence of flammable gas, as this could result in explosion or fire.

⚠ Handle the camera strap with care

Never place the strap around the neck of an infant or child.

⚠ Keep out of reach of children

Particular care should be taken to prevent infants from putting the batteries or other small parts into their mouths.

⚠ Observe caution when handling batteries

Batteries may leak or explode if improperly handled. Observe the following precautions when handling batteries for use in this product:

- Before replacing the batteries, turn the product off. If you are using an AC adapter, be sure it is unplugged.

- Use only the batteries listed of this manual (7). Do not use other types. Do not mix old and new batteries or batteries of different makes or types.
- Charge and use each pair of Nikon rechargeable Nikon EN-MH1 NiMH batteries together as a set. Do not mix batteries from different pairs.
- Insert batteries in the correct orientation.
- Do not short or disa

⚠ Handle moving parts with care

Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts.

⚠ CD-ROMs

The CD-ROMs supplied with this device should not be played back on audio CD equipment. Playing CD-ROMs on an audio CD player could cause hearing loss or damage the equipment.

⚠ Observe caution when operating the flash

Using the flash close to your subject's eyes could cause temporary visual impairment. Particular care should be taken if photographing infants, when the flash should be no less than one meter (39in.) from the subject.

⚠ Do not fire the flash while it is touching a person or object

Such use can result in the person being burned, and/or their clothes igniting from the heat of the flash.

⚠ Avoid contact with liquid crystal

Should the monitor break, care should be taken to avoid injury due to broken glass and to prevent liquid crystal from the monitor touching the skin or entering the eyes or mouth.

- No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice.
- Nikon will not be held liable for any damages resulting from the use of this product.
- While every effort has been made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).

Notice for Customers in the U.S.A.

Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ television technician for help.

Nikon COOLPIX L2/L3
FC Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

CAUTIONS

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's authority to operate the equipment.

Interface Cables

Use the interface cables sold or provided by Nikon for your equipment. Using other interface cables may exceed the limits of Class B Part 15 of the FCC rules.

Notice for customers in the State of California

WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.

Nikon Inc.,
1300 Walt Whitman Road, Melville, New York
11747-3064, U.S.A. Tel.: 631-547-4200

Notice for Customers in Canada

CAUTION

This class B digital apparatus meets all

- **Comply with copyright notices**
  The copying or reproduction of copyrighted creative works such as books, music, paintings, woodcut prints, maps, drawings, movies, and photographs is governed by national and international copyright laws. Do not use this product for the purpose of making illegal copies or to infringe copyright laws.

Disposing of Data Storage Devices

Please note that deleting images or formatting data storage devices such as memory cards or built-in camera memory does not completely erase the original image data. Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring the privacy of such data is the user's responsibility.

Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the welcome screen (64). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

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Use Only Nikon Brand Electronic Accessories

Nikon COOLPIX cameras are designed to the highest standards and include complex electronic circuitry. Only Nikon brand electronic accessories (including battery chargers, batteries, and AC adapters) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry.

THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY.

For more information about Nikon brand accessories, contact a local authorized Nikon dealer.

Introduction

Thank you for your purchase of a Nikon COOLPIX L2/L3 digital camera. This manual has been written to help you enjoy taking pictures with your Nikon digital camera. Read this manual thoroughly before use, and keep it where all those who use the product will read it.

The documentation for this product also includes the manuals listed below. Please be sure to read all instructions thoroughly to get the most from the camera.

- *Quick Start Guide*: The *Quick Start Guide* takes you through the process of unpacking and setting up your Nikon digital camera, taking your first photographs, and transferring them to your computer.
- *PictureProject Reference Manual* (on CD): The *PictureProject Reference Manual* contains information on using the *PictureProject* software provided with your camera. For information on viewing the reference manual, see the *Quick Start Guide*.

The illustrations in this manual and the *Quick Start Guide* show the COOLPIX L3.

Illustrations and on-screen text in this manual and the *Quick Start Guide* may differ from the actual display.

Before Taking Important Pictures

Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction.

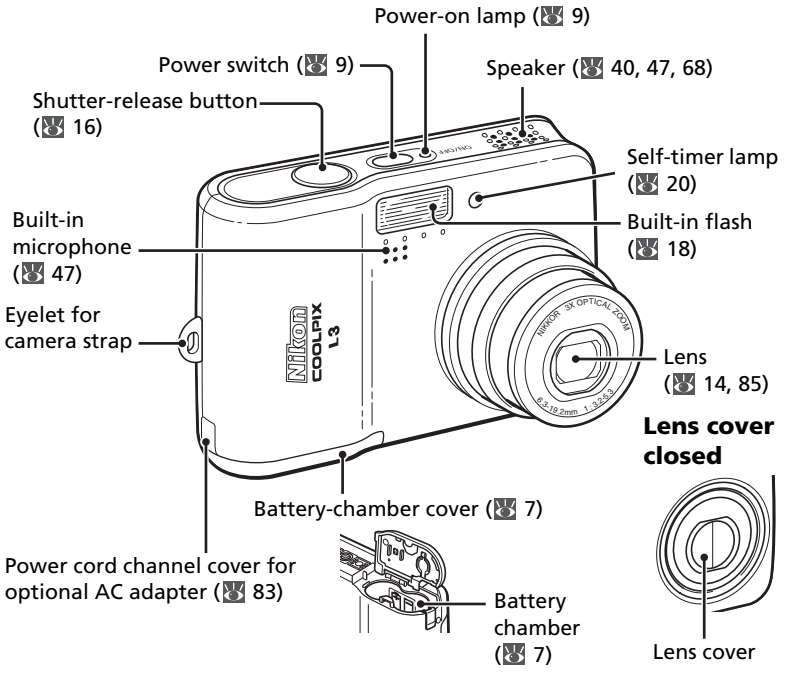
Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually-updated information is available on-line at the following sites:

- For users in the U.S.A.: *http://www.nikonusa.com/*
- For users in Europe and Africa: *http://www.europe-nikon.com/support*
- For users in Asia, Oceania, and the Middle East: *http://www.nikon-asia.com/*

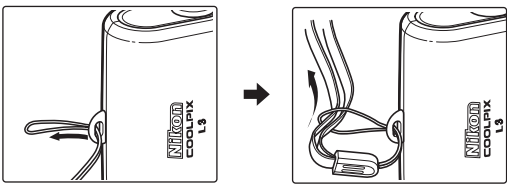
Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently-asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. See the URL below for contact information:
http://nikonimaging.com/

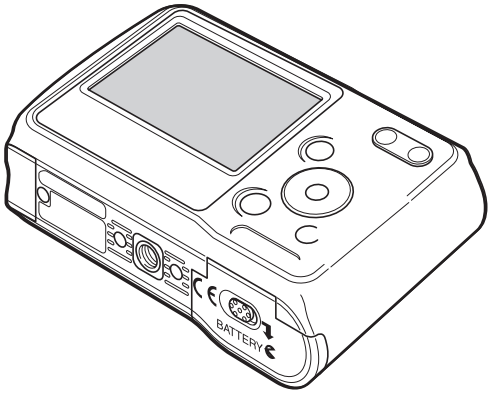
Parts of the Camera

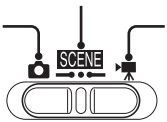


Attaching the Camera Strap

Attach the strap as shown below.







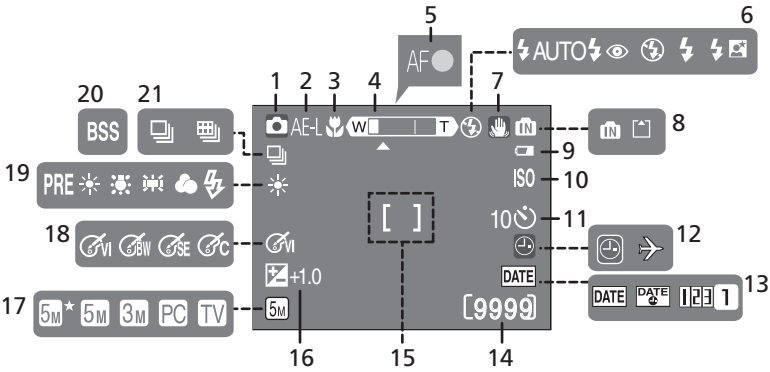
The Multi Selector

Press the multi selector up, down, left, or right to highlight pictures and menu items, then press the center to select. The buttons on the multi selector are also used to:

The Monitor

The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings):

Shooting



1 Shooting mode 13, 23, 39
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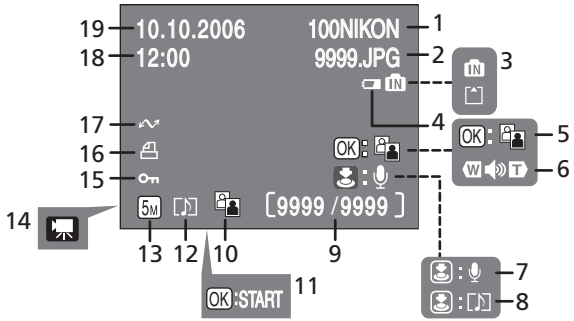
3 Macro close-up mode 22
4 Zoom indicator 14, 22
5 Focus indicator 15
6 Flash mode 18
7 Camera shake icon 16
8 Internal memory/Memory card indicator 11
9 Battery level indicator 13
10 Sensitivity 16
11 Self-timer indicator 20
12 "Date not set" indicator 88
Time zone indicator 64
13 Date imprint/Date counter 67
14 Number of exposures remaining 13, 98
Movie length 39, 98
15 Focus area 15
16 Exposure compensation 75
17 Image mode 72
18 Color options 77
19 White balance 73
20 Best Shot Selector (BSS) 76
21 Continuous shooting mode 75

Playback



1 Current folder 99
2 File number and type..... 99
3 Internal memory/Memory card indicator..... 11
4 Battery level indicator 13
5 D-Lighting guide 46
6 Volume indicator..... 35, 40, 47
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12 Voice memo icon..... 47
13 Image mode 72
14 Movie indicator..... 40
15 Protect icon 80
16 Print-order icon..... 57
17 Transfer icon..... 50, 80
18 Time of recording 9
19 Date of recording 9

Inserting Batteries

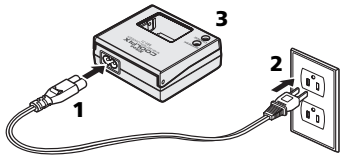
The camera uses two AA batteries. Depending on the country or region of purchase, the package will include either alkaline batteries or an MH-71 battery charger with rechargeable EN-MH1 batteries.

Charge the batteries (EN-MH1 batteries only)

If the camera came with a battery charger and rechargeable Nikon EN-MH1 NiMH batteries, charge the batteries as described below. If the camera came with a pair of alkaline batteries, skip to "Insert the batteries" on the following page.

1 Plug the charger in

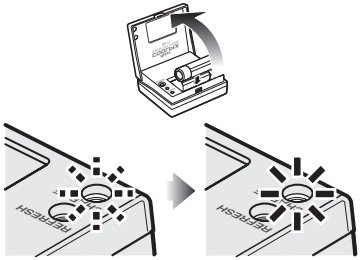
Connect the power cable to the charger (**1**) and then plug it into a power outlet (**2**). The CHARGE lamp will light (**3**).



2 Charge the batteries

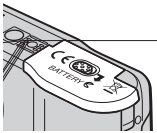
Insert the batteries as indicated on the charger. The CHARGE lamp will start to blink. Charging is complete when the CHARGE lamp stops blinking.

A pair of new or fully exhausted batteries will charge in about two and a half hours.



Insert the batteries

1 Open the battery chamber.
Hold the camera upside down to prevent the batteries from falling out.



2 Insert the batteries.
Insert the batteries as shown.

3 Close the battery chamber.

Is the Camera Off?

Confirm that the power-on lamp is off before removing batteries.

Batteries

Read and follow the warnings and cautions on pages ii–iii and 86 of this manual. The camera can be used with AA alkaline (LR6) batteries, Nikon rechargeable EN-MH1 NiMH batteries, ZR6 oxyride batteries, and FR6/L91 lithium batteries. Do not mix old and new batteries or batteries of different makes or types. Batteries with the following defects cannot be used:

The Battery Type Menu

After replacing the batteries, check that the option selected for **Battery Type** in the setup menu matches the type of battery used (71).

Power saving modes and auto power off

This camera features a three-stage power saving function, which works as follows if no operation is attempted for the times shown while the power is on.

- **Approx. five seconds**: The monitor brightness will be reduced to about 50% normal brightness.
- **Approx. one minute (default setting)**: The monitor turns off and the camera enters standby mode. The power-on lamp blinks. The camera can be reactivated by pressing the shutter-release button halfway. (The length of time before entering the standby mode can be changed.)
- **Approx. three minutes after the camera has entered standby mode**: The camera will turn off.

EN-MH1 Batteries

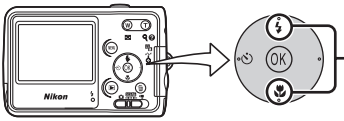
Charge EN-MH1 batteries before first use. Charge and use as a set: do not charge batteries one at a time or mix batteries from different pairs. Note that the batteries may tend to discharge more quickly when new or after a long period of disuse. The batteries will retain a charge longer once they have been used and recharged several times. "Memory" effects that result in reduced battery capacity can be avoided by periodically refreshing the batteries as described in the Appendix (101).

Basic Setup

A language-selection dialog is displayed the first time the camera is turned on. Choose a language and set the time and date as described below.

The Multi Selector

The multi selector is used in the steps that follow. The buttons needed to perform a task are shown in white; if more than one button is highlighted, any of the highlighted buttons can be used. For example, "press the multi selector up or down" is shown as illustrated below.



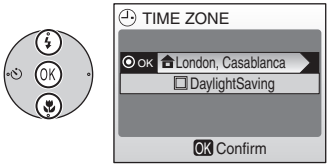
1

Turn the camera on.
The language-selection screen is displayed.

2

Highlight the desired display language and press the center of the multi selector.
The confirmation screen is displayed.

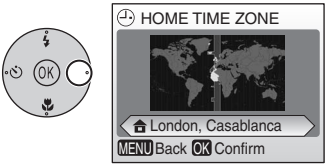
3



Highlight **Yes** and press the center of the multi selector.
The TIME ZONE menu is displayed.*

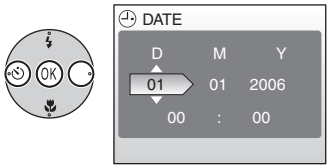
* If daylight saving time is in effect, press the multi selector down to highlight "DaylightSaving" and press the center of the multi selector.

4



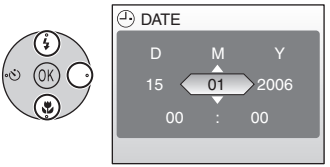
Press the multi selector right.
The map of world time zones is displayed.

5



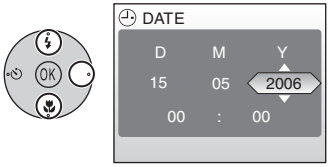
Press the multi selector left or right to select the home time zone you are in and press the center of the multi selector.
The DATE screen is displayed.

6



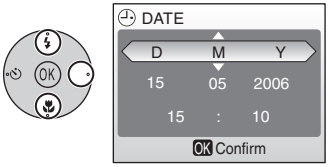
Edit **D**ay (order of **D**ay, **M**onth, and **Y**ear may differ in some areas) and press the multi selector right.

7



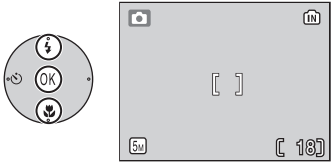
Edit **M**onth and press the multi selector right.

8



Repeat steps 6 and 7 to edit the year, hour, and minutes, then press the multi selector right. **D M Y** is highlighted.

9



Choose the order in which **D**ay, **M**onth, and **Y**ear will be displayed and press the center of the multi selector.
The setting becomes effective, and the screen of the mode (selected by the mode selector) is displayed.

Inserting Memory Cards

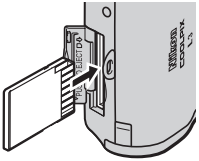
Pictures are stored in the camera's internal memory (approximately 23MB) or on removable **S**ecure **D**igital (SD) memory cards (83). Internal memory is used for recording and deleting pictures only if no memory card is inserted.

To insert a memory card:

1 Turn the camera off.
Confirm that the power-on lamp is off before inserting or removing memory cards.

2 Insert the memory card.

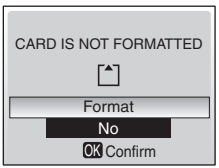
Open the memory card slot. Slide the memory card in as shown until it clicks into place. Close the memory card slot.



3 Turn the camera on.

If no message is displayed in the monitor, the camera is ready for use.

If the message shown at right is displayed, the memory card must be formatted before use. Note that ***formatting permanently deletes all pictures*** and other data on the memory card. Be sure to make copies of any pictures you wish to keep before beginning formatting. To begin formatting, press the multi selector up to highlight **Format** and then press the center of the multi selector. ***Do not turn the camera off or remove the batteries or memory card until formatting is complete.***



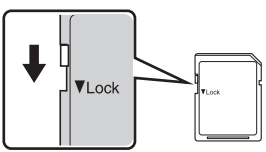
Removing Memory Cards

Before removing memory cards, ***turn the camera off*** and confirm that the power-on lamp is off. Open the memory card slot cover and press the card in to partially eject the card. The card can then be removed by hand.

The Write Protect Switch

SD cards are equipped with a write protect switch. Pictures cannot be recorded or deleted and the memory card cannot be formatted when this switch is in the "Lock" position.

Write Protect Switch



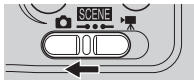
Basic Photography and Playback

(Auto) Mode

This section describes how to take pictures in (auto) mode, an automatic, "point-and-shoot" mode recommended for first-time users of digital cameras.

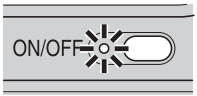
Step1 Select (auto) Mode

1 Slide the mode selector to .



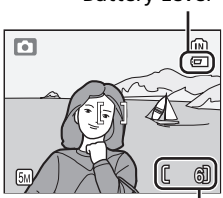
Step2 Turn the camera on

1 Turn the camera on.
The power-on lamp will light and the monitor will turn on. To turn the camera off at any time, press the power switch again. Do not remove the batteries while the power-on lamp is lit.



2 Check indicators in the monitor.
Check the battery level and number of exposures remaining.

Display	Battery level
NO ICON	Batteries fully charged.
	Low battery; ready spare batteries.
WARNING!! BATTERY EXHAUSTED	Batteries exhausted. Replace batteries.



Step3 Frame a picture

1 Ready the camera.
Hold the camera steadily in both hands, keeping your fingers and other objects away from the lens, flash, and microphone.

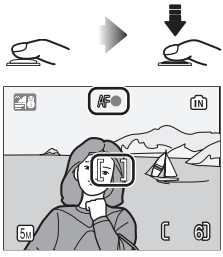
2 Frame the picture.
Frame the subject near the center of the monitor.

Zoom

Use the button to frame the subject in the monitor. Press to zoom out, increasing the area visible in the frame. Press to zoom in up to 3× so that the subject fills a larger area of the frame. Pressing for about two seconds at 3× zoom will trigger digital zoom, allowing the subject to be magnified up to 4× more, for a total of magnification of 12×. Note that unlike optical zoom, digital zoom does not increase the amount of detail visible in the picture. Instead, details visible at 3× zoom are simply enlarged, producing a slightly "grainy" image.

Step4 Focus and shoot

1 Focus.
Press the shutter-release button halfway. The camera will focus on the subject in the center of the focus area (📖 4). When the camera is fully focused on the subject, the focus indicator (**AF** ●) lights up green. Blinking red indicates that the camera was unable to focus. Change the composition and try again.



2 Take the picture.
Press the shutter release button the rest of the way down to take the picture. Note that the flash may fire if the subject is poorly lit.

During Recording
The [IN] or [▲] icon will blink while pictures are recorded. Removing memory cards or batteries while these icons are blinking could affect pictures or damage the camera or card.

The Shutter-Release Button –Focus Lock

To set focus and exposure, lightly press the shutter-release button about halfway, stopping when you feel resistance. Focus and exposure lock while the shutter-release button is held in this position. To release the shutter and take a picture, press the shutter-release button down the rest of the way. Use a gentle touch; moving the camera while pressing the shutter-release button can result in blurred pictures.

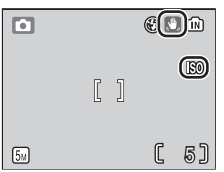
Focus | Check focus indicator | Recompose picture | Take picture

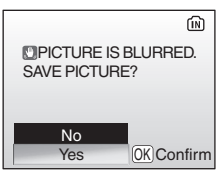
Auto-focus performs best when there is contrast between the subject and the background and the subject is evenly lit. It does not perform well if the subject is very dark or moving rapidly, if there are objects of sharply differing brightness in the scene (e.g., the sun is behind your subject and their features are in deep shadow), or if there are several objects at different distances from the camera at the center of the frame (e.g., your subject is inside a cage).

When Lighting Is Poor

If lighting is poor and the flash is off, a icon will be displayed to warn that pictures may be blurred as a result of the slow shutter speeds. If an **ISO** icon is displayed, sensitivity has been raised to compensate for poor lighting and pictures may be affected by "noise" in the form of randomly-spaced, brightly-colored dots. The camera may process pictures to reduce noise, doubling recording times.

If the warning at right is displayed after a picture is taken, the picture may be blurred. Select **No** to exit without recording the picture.

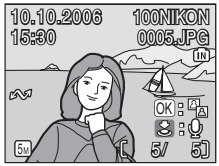




Viewing Pictures

Press the ▶ button to display a picture in the monitor. Use the multi selector to view additional pictures: press the multi selector down or right to view pictures in the order recorded, up or left to view pictures in reverse order. Keep the multi selector pressed to scroll quickly to the desired picture. Pictures may be displayed briefly at low resolution while being read from memory.

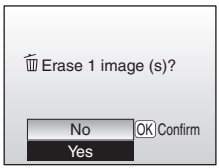
Press the ▶ button again to return to shooting mode.



Deleting Unwanted Pictures

To delete the picture currently displayed in the monitor, press the 🗑 button. A confirmation dialog will be displayed; highlight one of the following options and press the center of the multi selector:

- **No**: Exit without deleting the picture.
- **Yes**: Delete the picture.

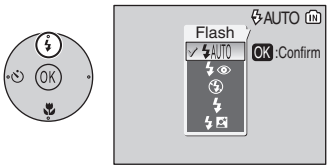


Using the Flash

The flash has a range of 0.3–3.0m (1ft.–9ft. 10in.) when the camera is zoomed all the way out. The range at maximum zoom is 0.3–1.75m (1ft.–5ft. 9in.). The following flash modes are available:

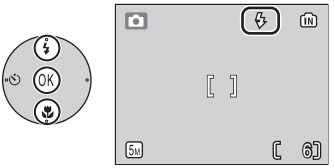
Mode		Description
⚡ **AUTO**	Auto	Flash fires automatically when lighting is poor.
⚡ 👁	Auto with red-eye reduction	Reduces "red eye" in portraits (📖 19).
🚫	Off	Flash will not fire even when lighting is poor.
⚡	Fill flash	Flash fires whenever picture is taken. Use to "fill-in" (illuminate) shadows and back-lit subjects.
⚡ 🌃	Slow sync	Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim light.

1



Press the flash mode button.

2



Highlight the desired mode and press the center of the multi selector.

The selected flash mode icon appears at the top of the monitor. If ⚡AUTO is selected, the icon extinguishes automatically after five seconds. The selection made in 📷 (auto) mode is stored in memory even after the camera has been turned off.

- The setting will be canceled if five seconds pass without pressing the center of the multi selector.

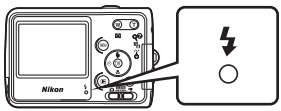
Red-eye Reduction

The camera uses *advanced red-eye reduction*. Low-intensity light pulses cause the subject's pupils to contract before the flash fires. If the camera still detects red-eye, it will process the image to further reduce its effects ("In-Camera Red-eye Fix"; note that this may slightly increase the time needed to record the picture). This mode is not recommended where a quick shutter response is required; if the desired results are not achieved, try again at a different flash setting.

The Flash Lamp

The flash lamp shows flash status when the shutter-release button is pressed halfway.

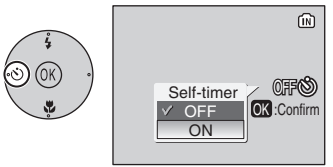
- **On**: Flash will fire when picture is taken.
- **Blinks**: Flash charging. Wait a few seconds and try again.
- **Off**: Flash will not fire when picture is taken.



Taking Pictures with the Self-Timer

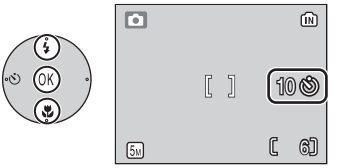
The camera is equipped with a ten-second timer for self-portraits. When using the self-timer, mount the camera on a tripod (recommended) or rest it on a flat, level surface.

1



Press the self-timer button.

2

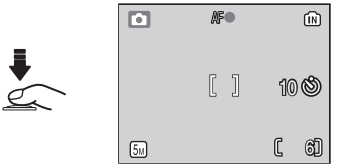


Highlight **ON** and press the center of the multi selector.

⏲ appears.

- The setting will be canceled if five seconds pass without pressing the center of the multi selector.

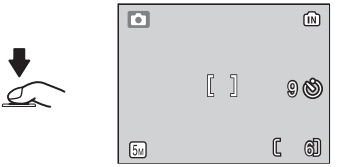
3



Frame the picture and press and hold the shutter-release button halfway.

The focus and exposure are adjusted.

4

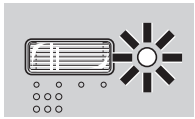


Press the shutter-release button fully.

The self-timer starts and the shutter will be released automatically after about 10 seconds.

- Remaining seconds before the shutter is released are displayed in the monitor.
- To stop the timer before a picture is taken, press the shutter-release button again.

The self-timer lamp will blink until one second before the picture is taken, staying lit during the final second to warn that the shutter is about to be released.



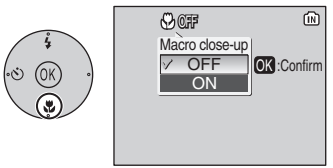
Auto Mode

In addition to the flash, self-timer, and macro close-up options described on pages 18–22, (auto) mode offers a menu of shooting options controlling such settings as image size, picture color, and white balance (72–77).

Macro Close-up Mode

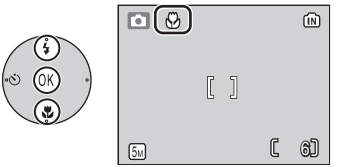
Macro close-up mode is used for taking shots of objects as close as 10cm (3.9in.).
Note that flash may be unable to light entire subject at distances of less than 30cm (1ft.); if flash fires, play picture back and check results.

1



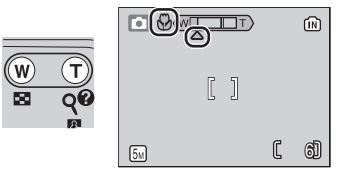
Display options.
Press the ❀ button.

2



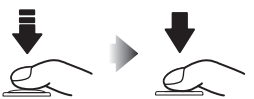
Highlight **ON** and press the center of the multi selector.
❀ appears.

3



Frame picture.
Minimum focus distance varies with zoom position; if zoom is adjusted until ❀ icon turns green, camera can focus at distance of 10cm (3.9in.).

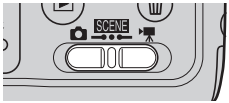
4



Focus and shoot.
In macro close-up mode, the camera focuses continuously, even when the shutter-release button is not pressed halfway.

Scene Mode

Scene mode offers a choice of twelve "scene" and four "assist" settings. Camera settings are automatically optimized for the selected subject type.



Assist modes offer framing assist options to help compose shots:

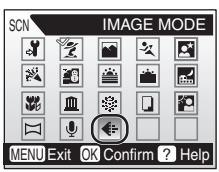
Mode	Description
Portrait	For portraits.
Landscape	For landscapes.
Sports	For moving subjects.
Night Portrait	For portraits taken against a backdrop of night scenery.

The remaining scene modes cover the following subject types:

Party/Indoor	Night Landscape	Copy
Beach/Snow	Close Up	Back Light
Sunset	Museum	Panorama Assist
Dusk/Dawn	Fireworks Show	Voice Recording

Image Mode

Image mode (72) can be adjusted by selecting from the scene mode menu.



Flash Mode, Self-Timer, and Macro Close-Up

See the Appendix for information on the settings available in scene mode (97).

Portrait Assist

Use for smooth, natural-looking portraits.

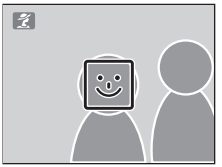
FACE-PRIORITY AF	Camera automatically focuses on face of portrait subject (26).
PORTRAIT	Camera focuses on subject in center of monitor. No guides are displayed.
PORTRAIT LEFT	Compose shot with subject in left or right half of frame. Camera focuses on subject in framing guide.
PORTRAIT RIGHT	
PORTRAIT CLOSE-UP	Compose shot with subject's face in top half of frame. Camera focuses on face area in framing guide.
PORTRAIT COUPLE	Compose shot with two subjects side-by-side. Camera focuses on subject in framing guide.
PORTRAIT FIGURE	Compose shot in "tall" orientation. Camera focuses on subject in framing guide.

Taking Pictures with Face-Priority AF

1

Highlight [face] and press center of multi selector.
[face] icon blinks in monitor.

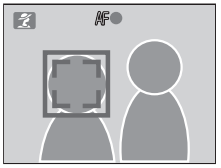
2



Frame picture using size of [face] icon as a guide.
Closest portrait subject is indicated by double yellow border.*

* If camera detects multiple faces, closest subject will be indicated by double border, other subjects by single border. Camera will focus on closest subject. If camera can no longer detect subject (for example, because subject has looked away from camera), borders will no longer be displayed and [face] icon will blink in monitor.

3



Set focus and exposure.
Double border turns green.

4

Take the picture.

Face-Priority AF

The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera.
The camera may be unable to detect faces that are hidden by sunglasses or other obstructions or that take up too much or too little of the frame.
If no face is detected when the shutter-release button is pressed halfway, the camera will focus on the center of the frame.
The camera will focus continuously until a face is detected.

If the double border flashes yellow when the shutter-release button is pressed halfway, the camera is unable to focus; release the button and try again.

Landscape Assist

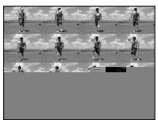
Use for vivid landscapes or portraits that feature a landmark in the background. Pictures taken at slow shutter speeds are processed to reduce noise (16).

LANDSCAPE	Camera focuses at infinity; no guides are displayed in monitor.*
SCENIC VIEW	Use to photograph distant skylines. Camera focuses at infinity.*
ARCHITECTURE	Use to photograph buildings. Camera focuses at infinity.*
GROUP RIGHT	Compose shots with landmark to left or right of portrait subjects. Camera uses portrait subjects to set focus and exposure.
GROUP LEFT	

* Focus indicator (15) is always displayed in green when shutter-release button is pressed halfway; note, however, that foreground objects may not always be in focus.

Sports Assist

Capture motion in a series of high-speed shots. No framing guides are displayed.

	SPORTS	Camera shoots about 1.7 frames per second (fps) while shutter-release button is pressed. Camera focuses continuously even when shutter-release button is not pressed.
	SPORT SPECTATOR	As above, except that camera focuses at about 4.5m/14.8ft. (6m/19.7ft. at maximum zoom) to infinity for improved shutter response.
	SPORT COMPOSITE	Each time the shutter-release button is pressed, the camera takes 16 shots in about two seconds and arranges them in a single picture 1,600 × 1,200 pixels in size. Camera focuses continuously even when shutter-release button is not pressed. 

Night Portrait Assist

Use for a natural balance between the main subject and background lighting in portraits shot at night. With the exception of face-priority AF, this mode offers the same assist options as portrait assist mode. Pictures taken at slow shutter speeds are processed to reduce noise (16); to prevent blurring, mount the camera on a tripod or rest it on a flat, stable surface.

SUNSET

Preserves the deep hues seen in sunsets and sunrises. Camera focuses at infinity.* Hold camera steady to prevent blurring.

DUSK/DAWN

Preserves the colors seen in the weak natural light before sunrise or after sunset. Camera focuses at infinity.* Use of a tripod recommended to prevent blurring; pictures may be processed to reduce noise (16).

NIGHT LANDSCAPE

Slow shutter speeds are used to produce stunning night landscapes. Camera focuses at infinity.* Use of a tripod recommended to prevent blurring; pictures may be processed to reduce noise (16).

CLOSE UP

Photograph flowers, insects, and other small objects at close range (22). Camera focuses continuously until shutter-release button is pressed halfway to lock focus. Hold camera steady to prevent blurring.

MUSEUM

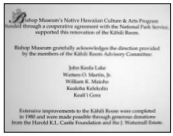
Use indoors where flash photography is prohibited (for example, in museums and art galleries) or in other settings in which you do not want to use the flash. Camera focuses on subject in center of frame; BSS (76) turns on automatically. Hold camera steady to prevent blurring.

FIREWORKS SHOW

Slow shutter speeds are used to capture the expanding burst of light from a firework. Focus is fixed at infinity.* Use of a tripod recommended to prevent blurring.

COPY

Provides clear pictures of text or drawings on a white board or in print. Camera focuses on subject in center of frame; use macro close-up (22) to focus at short ranges. Colored text and drawings may not show up well.



BACK LIGHT

Use when light is coming from behind a portrait subject, throwing their features into shadow. The flash fires automatically to "fill in" (illuminate) shadows. Camera focuses on subject in center of frame.

PANORAMA ASSIST

Use when taking a series of pictures that will later be joined side-by-side in PictureProject to form a panorama (32).

VOICE RECORDING

Use to record, play back and copy audio only. The internal memory can hold approx. 50 minutes of voice recording, while a memory card (256MB or more) can hold up to approx. five hours.

* Focus indicator (15) is always displayed in green when shutter-release button is pressed halfway; note, however, that foreground objects may not always be in focus.

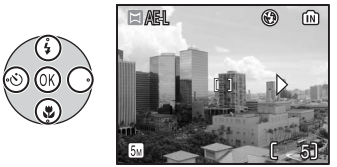
Taking Pictures for a Panorama (31)

The camera focuses on the subject in the center of the frame. Use a tripod for better results.

1

Highlight (**Panorama assist**) and press the center of the multi selector.

2

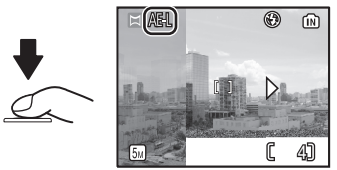


Highlight the desired pan direction and press the center of the multi selector.

The arrow showing the selected direction turns white.

- The direction can be re-selected by pressing the center of the multi selector again.
- If the first shot is taken without deciding the pan direction, it will be automatically set for the right.

3



Take the first picture.

The first picture is displayed in about 1/3 of the monitor. **AE-L** icon is displayed to show that white balance and exposure have been locked at values for first shot.

4

Compose the next shot to overlap with the previous picture and take the second picture.

Repeat until the entire series of pictures has been taken.

5

End series.
The monitor returns to the screen in step 1.

Panorama Assist
Flash mode (18), self-timer (20) and macro close-up (22) cannot be adjusted after the first picture is taken. Pictures cannot be deleted, or zoom or image mode (72) cannot be adjusted until shooting is complete.

Making a Voice Recording (31)

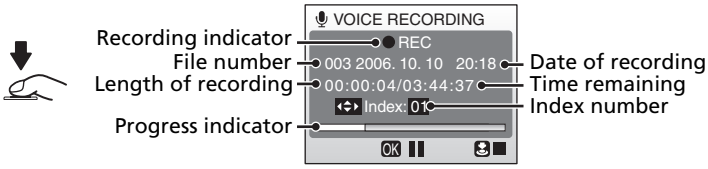
1

Highlight (**Voice Recording**) in the scene menu.

2

The monitor will show a icon and the length of the voice recording (hr:min.:sec.) that can be made.

3



Press the shutter-release button to start voice recording.

- The monitor turns off after five seconds of commencing recording. Pressing the shutter-release button halfway, or pressing any of the buttons will turn on the monitor again for about five seconds.
- To pause recording, press the center of the multi selector. Press again to resume recording.

4 Press the shutter-release button to end recording.

Recording will end automatically if the internal memory or memory card becomes full, or after five hours of recording.

Notes on Voice recording

- Do not touch the microphone during voice recording.
- Voice recording is not possible if the internal memory/memory card has less than 10 seconds of recording time available, or the battery charge is insufficient.
- It is recommended to use the AC adapter EH-65A (optional) for extended recording.
- Test recording beforehand, to ensure proper function, is advised.

Copying Voice Recordings to a Computer

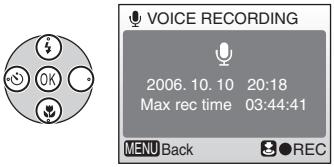
Voice recordings cannot be copied to a computer using the bundled software, PictureProject. Set the **USB** option in the SET-UP menu **Interface** to **Mass Storage** (49) and copy the files directly from the camera. Once copied to a computer, voice recordings can be played back with a player that supports WAV format files (such as QuickTime). Indexes added during recording work only when playing back on the camera.

Adding an index

An index can be added by pressing the multi selector up, down, left or right during recording. The camera can locate the index during playback and begin playback from this point. The start is assigned an index of one; other indices are assigned in ascending order, to a maximum of 98. The current index number is shown in the monitor.

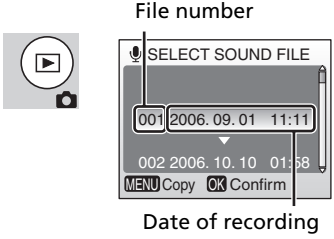
Playing Voice Recordings

1



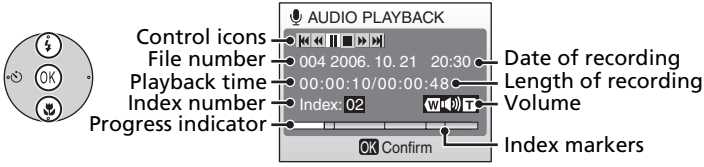
Highlight (**Voice Recording**) in the scene menu and press the center of the multi selector.
The available recording time is displayed.

2



Press the ▶ button.
Currently saved voice recordings are listed.

3



Highlight the desired voice recording and press the center of the multi selector.
The voice recording playback screen is displayed and playback starts.

Volume can be adjusted with the W T button during voice recording playback and the controls of the voice recording playback are displayed at the top of the monitor; press the multi selector left or right to highlight a control, and press the center of the multi selector to perform the selected operation.

To	Press	Description
Pause playback	II	Use multi selector to select II icon, then press the center of the multi selector to pause playback.

To	Press	Description
Resume playback	▶	When playback is paused, use multi selector to select ▶ icon, then press the center of the multi selector.
Rewind	◀◀	Use multi selector to select ◀◀ icon, then press and hold the center of the multi selector.
Fast forward	▶▶	Use multi selector to select ▶▶ icon, then press and hold the center of the multi selector. If playback reaches the end, playback stops and voice recording list screen appears.
Index return	⏮	Use multi selector to select ⏮ icon, then press the center of the multi selector to return to start of current index.
Index skip	⏭	Use multi selector to select ⏭ icon, then press the center of the multi selector to skip to next index.
Stop playback	■	Use multi selector to select ■ icon, then press the center of the multi selector to return to voice recording list.

To return to the Voice Recording mode

Press ▶ on the voice recording list screen to return to the Voice Recording mode.

Deleting Voice Recordings

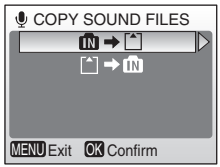
To delete a voice recording, press the 🗑 button during playback or while the recording is highlighted in the voice recording list screen. A confirmation dialog will be displayed; press the multi selector up or down to highlight an option, then press 🗑.

- **Yes**: delete recording and return to the voice recording list screen
- **No**: exit to the voice recording list screen without deleting recording

Copying Voice Recordings

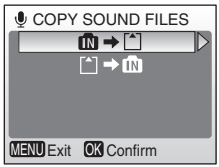
This option is used to transfer voice recordings from the camera's internal memory to the memory card, or vice versa.
This option is displayed only when the memory card is inserted.
When copying voice recordings, first perform steps 1 and 2 of "Playing Voice Recordings" and switch to voice recording playback mode.

1



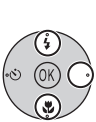
Press the **MENU** button on the voice recording list screen.
The voice recording copy screen is displayed.

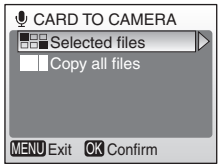
2



Select the copy direction and press the multi selector right.
: from internal memory to a memory card
: from a memory card to internal memory

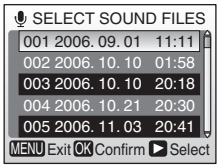
3





Select the copy mode and press the multi selector right.
Selected data copy: Go to step 4.
All data copy: Go to step 6.

4



Highlight the data you want to copy and press the multi selector right.
Repeat this step until all desired data is selected.

5

Press the center of the multi selector.

- Selected data will be marked with .
- To cancel the selection, highlight the data again and press the multi selector right.

6

Highlight **Yes** and press the center of the multi selector.

Copying starts. To cancel, highlight **No** and press the center of the multi selector.

Copy

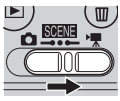
- If there is not enough space in the memory or on the memory card to receive the copy, the message "SOUND FILE CANNOT BE SAVED" will be displayed. Delete unwanted pictures or voice recordings, or insert a new memory card (if using a memory card) before trying again.
- Copying of voice recordings taken with another make of camera is not guaranteed by Nikon.

Movies

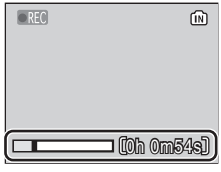
Movie Mode

Follow the steps below to shoot movies with sound recorded via the built-in microphone. Movies recorded to internal memory at the default setting of **Small Size 320** can be up to 16 seconds long; a 256MB memory card can hold up to 14 minutes 16 seconds.

1 Select mode.
Exposure count display shows maximum total length of movie that can be recorded.



2 Start recording.
Progress bar shows amount of memory remaining.



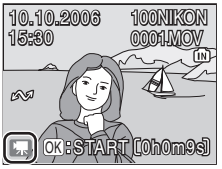
3 End recording.
The monitor returns to the screen in step 1.

See "Movie Options: The Movie Menu" (41) for information on movie size and focus options.

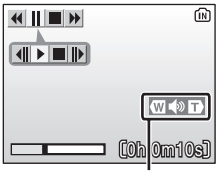
Recording Movies
The flash (18) and self-timer (20) are not available in movie mode. Macro close-up can be used (22). Optical zoom cannot be adjusted during recording.
See the Appendix for information on the maximum total length of movie that can be recorded (98).

Movie Playback

In full-frame playback (43), movies (39) are indicated by a icon.



To play a movie, display it in full-frame playback and press the center of the multi selector. Playback controls appear at the top of the display; press the multi selector left or right to highlight a control, then press the center of the multi selector to perform the selected operation.



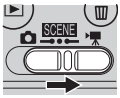
Volume indicator

Control	Description
	Rewind movie while center of multi selector is pressed.
	Advance movie while center of multi selector is pressed.
	Playback pause.
	Advance paused movie one frame.
	Rewind paused movie one frame.
	Resume playback.
	End movie and return to full-frame playback.

Volume is controlled by the zoom button. Press (w) to lower volume, (T) to increase.

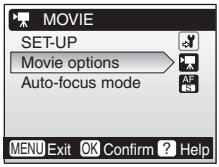
Movie Options: The Movie Menu

The movie menu contains the options shown below.
To display the movie menu:



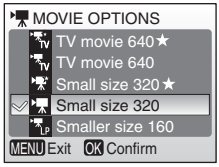
Select mode.

Press **MENU** button.



Movie Options

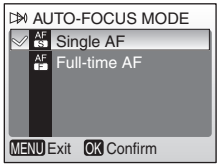
Movies can be recorded at the following sizes:



Option	Size (pixels)	Frames per second
TV movie 640★	640 × 480	30
TV movie 640	640 × 480	15
Small size 320★	320 × 240	30
Small size 320	320 × 240	15
Smaller size 160	160 × 120	15

Auto-focus Mode

Choose how the camera focuses in movie mode.



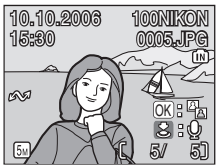
Option	Description
Single AF (Default)	Camera focuses when shutter-release button is pressed halfway and locks at this position during shooting, preventing sound of camera focusing from interfering with recording.
Full-time AF	Camera constantly adjusts focus, even when shutter-release button is not pressed.

Movies

See the Appendix for information on movie menu defaults (95) and on the maximum total length of movie that can be recorded at different settings (98).

Viewing Pictures on the Camera

To view pictures full-frame in the monitor (*full-frame playback*), press the ▶ button (if the camera is off, pressing the ▶ button for about one second will turn the camera on in playback mode). The following operations can be performed:

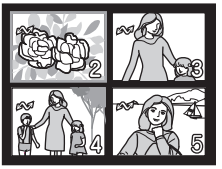


To	Press	
View next picture		17
View previous picture		17
Delete picture	🗑	17
Zoom picture in	T (🔍)	45
View thumbnails	W (▦)	44

To	Press	
View playback menu	**MENU**	78
Record/play voice memo	Shutter-release button	47
Still: Enhance contrast	OK	46
Movie: Play movie		40
Exit to shooting mode	▶	—

Viewing Multiple Pictures: Thumbnail Playback

Pressing the W (▪) button in full-frame playback displays pictures in "contact sheets" of four or nine thumbnail images. The following operations can be performed while thumbnails are displayed:

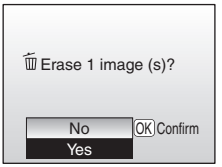


To	Press	
Highlight picture		—
Change number of pictures displayed	W (▪)/ T (🔍)	—

To	Press	
Delete highlighted picture	🗑	—
Exit to full-frame playback	(OK)	—
View playback menu	**MENU**	78
Exit to shooting mode	▶	—

Deleting Pictures

Pressing the 🗑 button in full-frame or thumbnail playback displays the dialog shown at right. Highlight **Yes** and press the center of the multi selector to delete the selected picture.



Viewing Pictures in Internal Memory

Pictures in internal memory can only be viewed if no memory card is inserted.

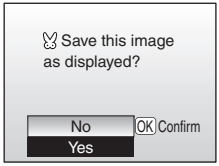
Taking a Closer Look: Playback Zoom

During full-frame playback (43), the T (🔍) button can be used to zoom in on pictures to a maximum of 10×. The following operations can be performed while pictures are zoomed in:

To	Press	
Zoom in	T (🔍)	—
Zoom out	W (▦)	—
View other areas of picture		—
Delete picture	🗑	44
View playback menu	**MENU**	78
Exit to full-frame playback	OK	43
Create cropped copy (see below)	Shutter-release button	—
Exit to shooting mode	▶	—

Creating a Cropped Copy

If a 🔍 icon is displayed in the monitor during playback zoom, the portion of the picture currently visible in the monitor can be saved to a separate file. Pressing the shutter-release button displays the dialog shown at right; highlight **Yes** and press the center of the multi selector to create a new picture containing only the area visible in the monitor.



- Depending on the size of the original and the zoom ratio at the time the copy was created, copies will be 6M 2,816 × 2,112 (COOLPIX L2 only), 5M 2,592 × 1,944 (COOLPIX L3 only), 3M 2,048 × 1,536, 2M 1,600 × 1,200, 1M 1,280 × 960, PC 1,024 × 768, TV 640 × 480, ▭ 320 × 240, or ▭ 160 × 120 pixels in size.
- Cropped pictures are stored in JPEG format (compression ratio 1:8) as separate pictures from the original pictures.

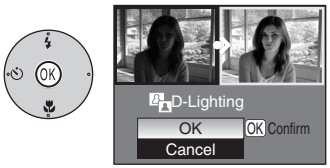
Cropped Copies

Cropped copies may not display or transfer correctly when viewed on other models of Nikon camera. See the Appendix for more information on cropped copies (99).

Enhancing Contrast: D-Lighting

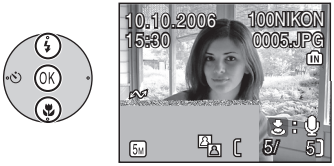
If a OK:[icon] icon appears on a picture during full-frame playback (43), D-lighting can be used to create a copy with enhanced brightness and contrast, brightening dark and backlit subjects.

1



Confirmation dialog is displayed.

2



Highlight **OK** and press the center of the multi selector.
The enhanced brightness copy is made.

During playback, copies created with D-lighting are indicated by a [icon] icon.

D-Lighting
Copies created with D-lighting may not display or transfer correctly when viewed on other models of Nikon camera. See the Appendix for more information on D-lighting copies (99).

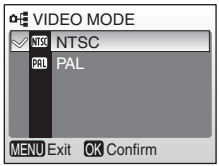
Connecting to Televisions, Computers, and Printers

In addition to viewing pictures on the camera, you can also:
- View pictures on TV and record movies to video (see below)
- Copy pictures to a computer for storage and editing (49)
- Print pictures on a home printer (53) or order prints from photofinisher

Before connecting the camera to another device, it may be necessary to change the **Interface** settings in the setup menu (63). See "Menus" (60) for more information. To prevent the camera from turning off unexpectedly during connection, use fresh batteries or an optional EH-65A AC adapter kit.

Viewing Pictures on TV

1 The **Interface**>**Video mode** item in the setup menu offers a choice of NTSC and PAL standards for analog video output (71). Select a standard to match the television.



2 Turn the camera off and connect the A/V cable.
Connect the black plug to the camera, the yellow plug to the video-in jack on the TV, and the white plug to the audio-in jack.

3 Tune the television to the video channel.
For details, consult the documentation for the TV.

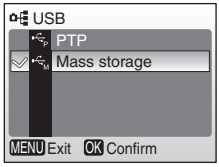
4 Press the button for about one second to turn the camera on.
The camera monitor will remain off and the television will show the image normally shown in the monitor.

Viewing Pictures on a Computer

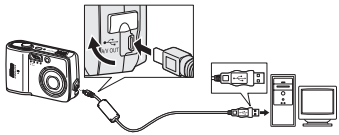
Before pictures can be transferred (copied) to a computer, PictureProject must be installed. For more information on installing and using PictureProject, see reference CD and *Quick Start Guide*. To transfer pictures to a computer:

1 Start a computer to which PictureProject has been installed.

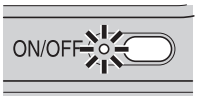
2 Choose an **Interface**>**USB** option as described in "Choosing a USB Option for Connection to a Computer" (51).



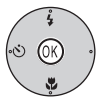
3 Turn the camera off and connect the USB cable as shown at right.



4 Turn the camera on.



5 Press the center of the multi selector to copy all marked pictures to the computer.



The following messages will be displayed:

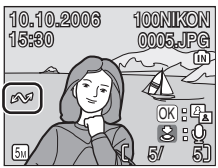
The pictures will be displayed in PictureProject when transfer is complete.

6 Disconnect the camera as described in "Disconnecting the Camera" (52).

Marking Pictures for Transfer

Pictures marked for transfer are shown by a icon during playback. By default, all pictures are automatically marked for transfer. Two options control transfer marking:

- **Interface**>**Auto transfer** (setup menu): Choose **On** to mark all new pictures for transfer (71).
- **Transfer marking** (playback menu): Change marking for existing pictures (80).



The PictureProject Transfer Button

To copy both marked and unmarked pictures to the computer, click the PictureProject **Transfer** button instead of pressing the center of the multi selector in Step 5.

Choosing a USB Option for Connection to a Computer

Consult the following table when choosing a USB option for connection to a computer (49). The default option is **Mass Storage**. For more information on menu operations, see "Menus" (60).

Computer operating system	Pictures transferred using:	
	Camera (OK) (Transfer) button*1	**PictureProject Transfer button**
Windows XP Home Edition Windows XP Professional Windows 2000 Professional Windows Millennium Edition (Me) Windows 98 Second Edition (SE)	Choose **Mass storage**.*2	
Mac OS X 10.1.5 or later	Choose **PTP**.	Choose **Mass storage** or **PTP**.

*1 The camera (OK) (Transfer) cannot be used to transfer images in the following cases. Use the **Transfer** button in PictureProject.

- When transferring images from the camera memory and **Mass storage** is selected for the **USB** option.
- When the memory card write-protect switch is in the "Lock" position. Unlock by sliding the switch to the "write" position before transferring images.

*2 Do not select **PTP**. If **PTP** is selected when the camera is connected, wait until the Windows hardware wizard is displayed, then click **Cancel** and disconnect the camera. Select **Mass storage** in the camera **USB** menu before reconnecting the camera.

Disconnecting the Camera

If **PTP** is selected for **USB**, turn the camera off and disconnect the USB cable.

If **Mass Storage** is selected for **USB**, remove the camera from the system as described below before turning the camera off and disconnecting the USB cable.

- **Windows XP Home Edition/Windows XP Professional**:
  Click the "Safely Remove Hardware" icon ( ) in the taskbar and select **Safely remove USB Mass Storage Device** from the menu that appears.

- **Windows 2000 Professional**:
  Click the "Unplug or Eject Hardware" icon ( ) in the taskbar and select **Stop USB Mass Storage Device** from the menu that appears.

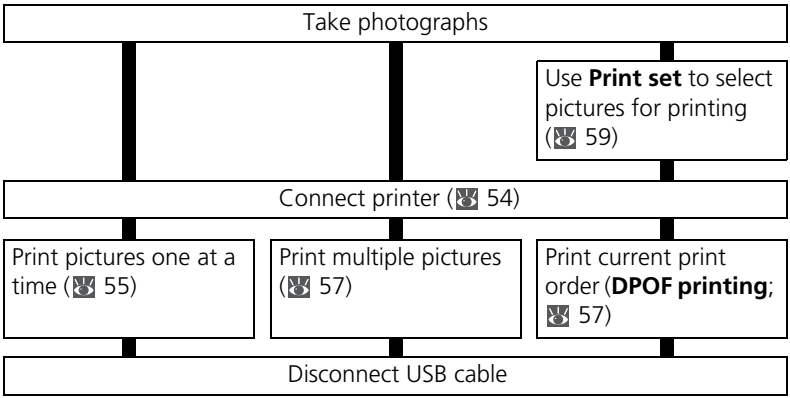
- **Windows Millennium Edition (Me)**:
  Click the "Unplug or Eject Hardware" icon ( ) in the taskbar and select **Stop USB Disk** from the menu that appears.

- **Windows 98 Second Edition (SE)**:
  In My Computer, right click on the removable disk corresponding to the camera and select **Eject** from the menu that appears.

- **Macintosh**:
  Drag the untitled camera volume ("NO NAME") into the Trash.

Printing Pictures

Users of PictBridge-compatible printers can connect the camera directly to the printer and print pictures without using a computer.



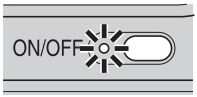
Other Ways to Print Pictures

Pictures can also be printed by:

- **Inserting a memory card in the printer**: If the printer is equipped with a card slot, a memory card can be inserted in the printer and pictures printed directly from the card. If the printer supports DPOF, the camera **Print set** option can be used to select pictures for printing (59). See the printer manual for details.
- **Taking memory cards to a digital print service**: If the service supports DPOF, the camera **Print set** option can be used to select pictures for printing (59).
- **Transferring pictures to a computer**: Once transferred to a computer (49), pictures can be printed using imaging software. See the application and printer manuals for details.

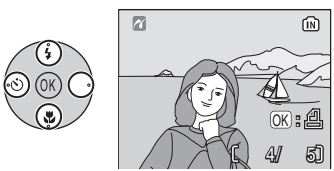
4 Turn the camera on.

A PictBridge start-up screen will be displayed. The camera will then enter full-frame playback with the PictBridge logo displayed in the monitor.



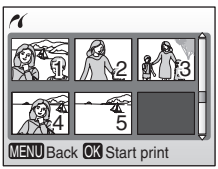
Printing Pictures One at a Time

1

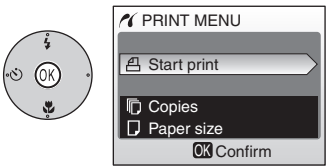


Select a desired picture.

* To choose picture from thumbnail list, press W (▪▪▪▪) and use multi selector to highlight desired picture, or press T (🔍) to exit to full-frame playback.

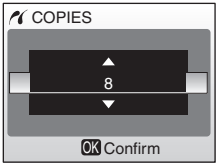
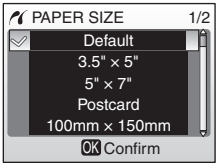


2



Display print options.

3 Press multi selector up or down to highlight option, press center to select:

Option	Description
Start print	Start printing. To cancel before all copies have been printed, press center of multi selector. Camera returns to PictBridge playback display when printing is complete; repeat from Step 1 to print additional pictures.
Copies	Press multi selector up or down to choose number of copies (up to 9). Press center of multi selector to return to previous menu. 
Paper size	Press multi selector up or down to highlight desired paper size. Press center of multi selector to return to previous menu. 

Paper Size

The camera supports the following paper sizes: **Default** (the default paper size for the current printer), **3.5"x5", 5"x7", Postcard, 100mmx150mm, 4"x6", 8"x10", Letter, A3**, and **A4**. Only sizes supported by the current printer will be displayed.

Printing Mul

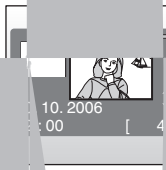
To print multiple p
while the PictBridg
(54). The menu
press the multi sel
option, then press

Option
Print selection
Print all images
DPOF printing
Paper size

Printing Select

Choosing **Print se** ay

1



ures.
n at cente
lect current picture and set
nber of prints to 1.
ed pictures marked by icon

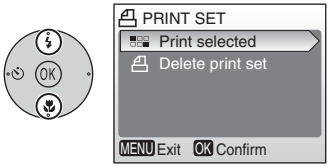
3 4

* Press center of multi selector again to cancel before printing is complete.

Creating a DPOF Print Order: Print Set

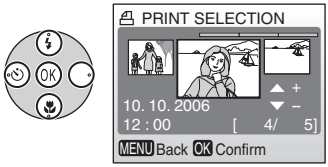
The **Print set** option in the playback menu (78) is used to create digital "print orders" for printing on DPOF-compatible devices (96). Selecting **Print set** displays the menu shown in Step 1.

1



Highlight **Print selected**.

2

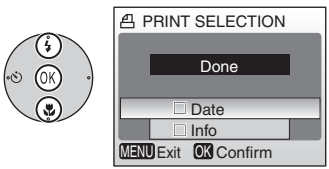


Display selection dialog.

* To delete current print order, highlight **Delete print set** and press center of multi selector.

3 Select pictures as described in Steps 1–4 of "Printing Selected Pictures" (57).

4



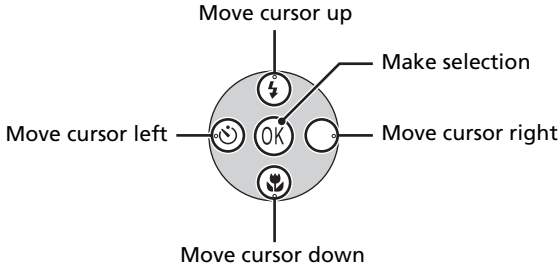
Press multi selector up or down to highlight option, press center to select.

- **Date**: Print date of recording on all pictures in print order.
- **Info**: Print shutter speed and aperture on all pictures in print order.
- **Done**: Complete print order and exit.

Print Set

Date and **Info** are reset each time the menu shown Step 4 is displayed. **Info** is not printed when the camera is connected directly to the printer.

Use the multi selector to navigate the menus:

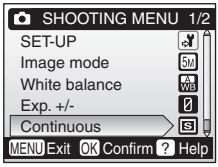


Default Settings

See the Appendix for information on menu defaults (95).

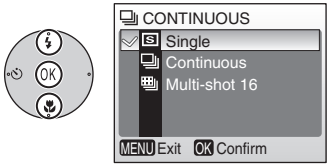
To make a selection from a menu:

1



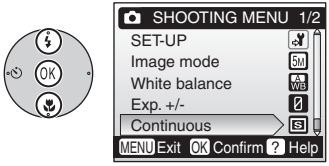
Highlight menu item.
E.g. Continuous

2



Display options and highlight a desired option.

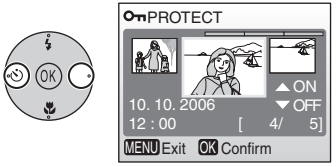
3



Select the highlighted option.

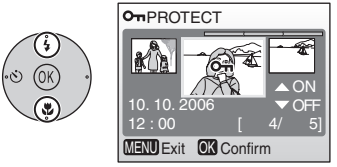
To select multiple pictures in the **Print set** (59), **Erase selected images** (80), **Protect** (80), **Transfer marking**>**Select image(s)** (80), or **Copy**>**Selected images** (82) menus:

1



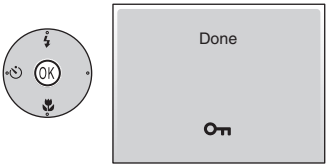
Scroll through pictures and select a desired picture.
The current picture is shown at the center of the monitor.
E.g. To protect a picture

2



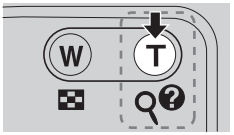
Set **ON**/**OFF** (or the number of copies).
When **ON** is set, the icon according to the function being performed appears in the center of the current picture.
Repeat steps 1 and 2 to select additional pictures.

3



Complete operation.
The setting becomes effective.

Help
For help on the highlighted item, press the T (?) button. Press OK to display the options for the highlighted item, T (?) to exit, or **MENU** to return to shooting or playback.



Basic Camera Setup: The Setup Menu

The setup menu contains the following options:

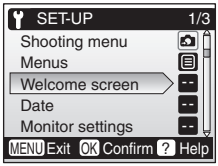
Option	Description	
Menus	Choose how menus are displayed.	64
Welcome screen	Select screen displayed when camera is turned on.	64
Date	Set clock and choose home and destination time zones.	64
Monitor settings	Adjust monitor brightness and choose display style.	66
Date imprint	Imprint date or birthday counter on pictures.	67
Sound settings	Adjust sound and volume settings.	68
Blur warning	Turn blur warning on or off.	69
Auto off	Choose when monitor will turn off to save power.	69
Format memory/ Format card	Format internal memory or memory card.	70
Language	Choose language for camera menus and messagesET0.1 Toi lJ/4T.4481 TDi01 Tc0.0003 Tw94 -1i lJ/4T.4481 T	

Default Settings

See the Appendix for information on setup menu defaults (95).

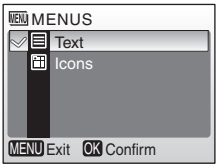
MENU Menus

Choose how menus are displayed.



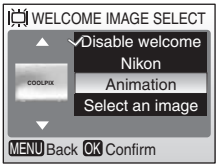
Text

Icon



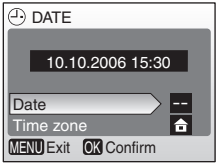
Welcome Screen

Choose the welcome screen displayed when the camera is turned on. To select a picture from internal memory or the memory card to use as a welcome screen, choose **Select an image** (the image used in the welcome screen is a copy of the selected image and does not change when the original is deleted or the memory card is removed).



Date

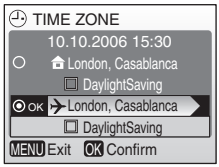
Set the camera clock and choose home and travel destination time zones.



Option	Description
Date	Set camera clock to current date and time (9).
Time zone	Choose home (🏠) or travel destination (✈) time zone (100); turn daylight saving time on or off.

To switch between home (🏠) and travel destination (✈) time zones:

To switch between home (🏠) and travel destination (✈) time zones: Highlight 🏠 or ✈ and press the center of the multi selector.
The clock is set to the time in the selected time zone. The current selection is indicated by a dot.

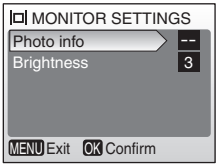


* To change the home or travel destination time zone, highlight 🏠 or ✈, then press the multi selector right. Choose a time zone and daylight saving time as described in "Basic Setup" (9).

The Clock Battery
The clock battery charges when the main battery is installed or an AC adapter is connected, and can provide several days of backup power after about 10 hours of charging.

Monitor Settings

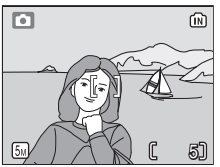
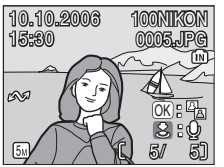
The following options are available:



Option	Description
Photo info	Choose information displayed in monitor.
Brightness	Choose from five settings for monitor brightness.

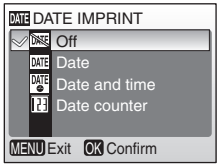
Photo Info

The following display options are available:

Option	Description	Display	
		Shooting mode	**Playback mode**
Show info	Indicators are displayed in monitor (4).		
Hide info	Indicators are not displayed in monitor.		

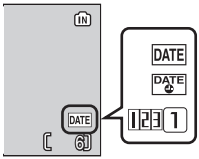
Date Imprint

Imprint date information on pictures as they are taken.



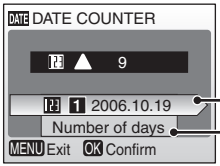
Option		Description
	Off	Time and date do not appear on pictures.
	Date	Date or date and time are imprinted on pictures taken while this option is in effect.
	Date and time	
	Date counter	Time stamp shows number of days between date of shooting and selected date (see below).

At settings other than **Off**, the option selected is indicated by an icon in the monitor during shooting.



Date Counter

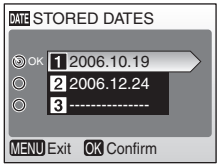
Pictures taken while this option is in effect are imprinted with the number of days remaining until or the number of days elapsed since a specified date. Use it to track the growth of a child or count down the days until a birthday or wedding.



Press multi selector right to view stored dates

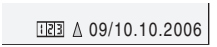
Press multi selector right to view display options

Stored dates	Up to three dates can be stored. To set, highlight, press multi selector to right, and enter date (9). To select, highlight and press center of multi selector.

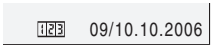


Display options	Highlight **Number of Days, Years and Days**, or **Yrs, Mnths, Days** and press center of multi selector.

Sample date counter time stamps are shown below.



Future date
(days remaining)



Past date
(days elapsed)

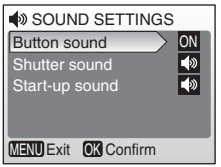
Date Imprint

The date is recorded in the order selected in the DATE menu (64). Date imprint cannot be used to print date information on existing pictures. See "Creating a DPOF Print Order: Print Set" (59) for a comparison of date imprint and **Print set**>**Date**.

Date imprinted at an **Image mode** setting of **TV screen(640)** may be difficult to read. Choose **PC screen(1024)** or larger when using date imprint.

Sound Settings

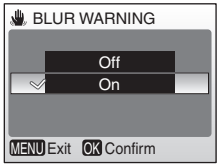
Adjust the following sound settings:



Option	Description
Button sound	When **ON** is selected, beep will sound once when operations are completed successfully, three times when error is detected.
Shutter sound	Choose volume of shutter sound.
Start-up sound	Choose volume of sound that plays when camera is turned on.

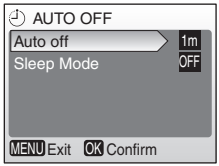
Blur Warning

Choose whether or not the blur warning is displayed (16). Note that the warning may not always be displayed (93).



Auto Off

Choose the time before the monitor turns off automatically to save power (8).

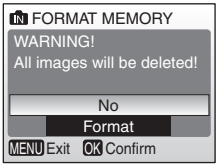


Option	Description
Auto off	Choose delay before monitor turns off when no operations are performed.
Sleep Mode	Select **On** or **Off**. If **On** is selected, monitor will turn off if no change is detected in brightness of subject for 30 s (**Auto off** set to 1 min. or less) or 1 min. (**Auto off** set to 5 min. or more).

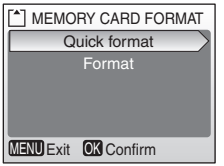
Regardless of the option selected, the monitor will remain on for a minimum of three minutes when menus are displayed, and for thirty minutes during a slide show.

Format Memory/Format Card

If no memory card is inserted, this option is named **Format memory** and formats internal memory. Otherwise it is named **Format card** and formats the memory card for use in the camera. *Note that formatting permanently deletes all pictures and other data.* Be sure to make copies as required before formatting.



Two format options are available when a memory card is inserted: **Quick format** (formats only areas of the card on which data are stored) and **Format** (formats entire card). **Format** is not available when batteries are low.



Format

Do not turn the camera off or remove the batteries or memory card during formatting. Use the **Format** option to format memory cards before first use and reformat them regularly thereafter. Without regular formatting, performance will drop with use.

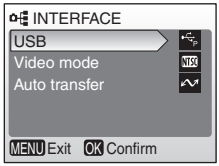
Language

Choose a language for camera menus and messages from the following options:

Deutsch	German	Русский	Russian
English	English	**Svenska**	Swedish
Español	Spanish	日本語	Japanese
Français	French	**中文(简体)**	Simplified Chinese
Italiano	Italian	中文(　　)	Traditional Chinese
Nederlands	Dutch		Korean

Interface

Adjust settings for connection to a computer or video device.



Option	Description
USB	Select USB option for connection to computer (51) or printer (54).
Video mode	Choose from NTSC and PAL (48).
Auto transfer	Choose **On** to mark all new pictures for transfer to computer (50).

Reset All

Select **Reset all** to restore camera settings to their default values (95).

Battery Type

To ensure that the camera shows the correct battery level (13), choose a type that matches the batteries currently in use.

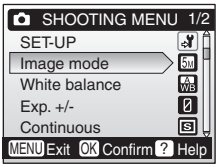
Option	Battery Type
Alkaline	Alkaline
COOLPIX (NiMH)	EN-MH1, oxyride
Lithium	Lithium

Firmware Version

View the current camera firmware version.

Shooting Options: The Shooting Menu

With the exception of **Image mode**, the following options are available only in (auto) mode. See "Menus" for information on viewing and using the shooting menu (60).



Option		Description	
	SET-UP	Display the setup menu.	63
	Image mode	Choose image size and quality.	72
WB	**White balance***	Match white balance to the light source.	73
	Exposure compensation	Exposure can be compensated for in the case of a subject that is bright, dark or with strong contrast.	75
	Continuous*	Take pictures one at a time or in a sequence.	75
BSS	**BSS***	Use BSS to choose the sharpest picture.	76
	Color Options*	Control color.	77

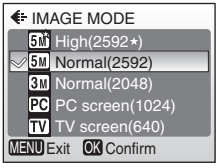
* See the Appendix for information on restrictions that may apply to these settings (99).

Shooting Menu Settings

See the Appendix for information on shooting menu defaults (95).

Image Mode

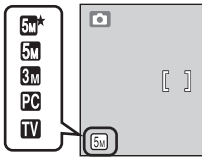
Pictures taken with a digital camera are recorded as image files. The size of the files, and with it the number of images that can be recorded (98), depends on the *size* and *quality* of the images (image mode). Before shooting, choose an image mode according to how you plan to use the picture.



Option	Size (pixels)	Description
6M **High (2816★)** (COOLPIX L2)	2,816 × 2,112	Pictures are compressed less than **Normal**, producing higher quality images.

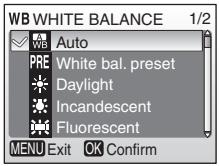
Option		Size (pixels)	Description
5M	**High (2592★)** (COOLPIX L3)	2,592 × 1,944	Pictures are compressed less than **Normal**, producing higher quality images.
6M	**Normal (2816)** (COOLPIX L2)	2,816 × 2,112	Best choice in most situations.
5M	**Normal (2592)** (COOLPIX L3)	2,592 × 1,944	Best choice in most situations.
3M	**Normal (2048)**	2,048 × 1,536	Smaller size allows more pictures to be stored.
PC	**PC screen (1024)**	1,024 × 768	Suited to computer display.
TV	**TV screen (640)**	640 × 480	Suited to e-mail or television viewing.

The current setting is shown by an icon in the display.



WB White Balance

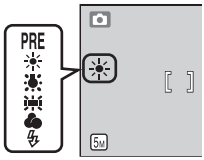
Process pictures to produce natural colors under different types of light.



Option		Description
AUTO WB	**Auto**	White balance automatically adjusted to suit lighting conditions. Best choice in most situations.
PRE	**White bal. preset**	Neutral-colored object used as reference to set white balance under unusual lighting conditions (74).
☀	**Daylight**	White balance adjusted for direct sunlight.
☀	**Incandescent**	Use under incandescent lighting.
▦	**Fluorescent**	Use under most types of fluorescent lighting.
☁	**Cloudy**	Use when taking pictures under overcast skies.

Option	Description
Flash	Use with the flash.

At settings other than **Auto**, the current setting is shown by an icon in the display.

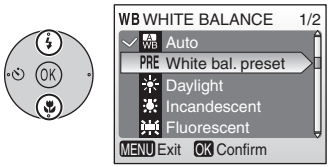


PRE Preset White Balance

Preset white balance is used with mixed lighting or to compensate for light sources with a strong color cast (for example, to make pictures taken under a lamp with a red shade look as though they had been taken under white light).

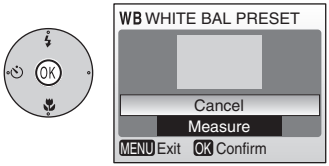
1 Place white or gray reference object under lighting that will be used during shooting.

2



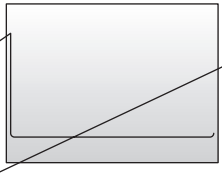
Highlight **White bal.preset**.

3



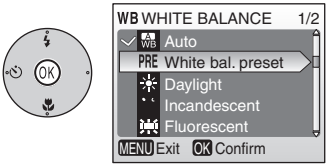
Camera zooms in.

4



Highlight **Measure**.

5



Frame the reference object and press the center of the multi selector. The new white balance value is set.

* To restore most recent value for preset white balance, highlight **Cancel** and press center of multi selector.

Preset White Balance

Preset white balance cannot be measured with the flash.

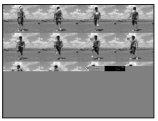
Exposure Compensation

Exposure compensation allows you to adjust the exposure setting suggested by the camera from between –2.0 EV (underexposure) and +2.0 EV (overexposure) in increments of 1/3 EV.

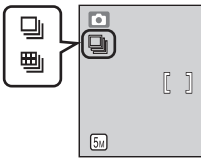
Continuous

Capture a fleeting expression on a portrait subject, photograph a subject that is moving unpredictably, or capture motion in a series of pictures.

Option	Description
Single	One shot is taken each time shutter-release button is pressed.
Continuous	While shutter-release button is pressed, camera takes pictures at up to 1.7 frames per second (fps). COOLPIX L2 records 10 pictures when image mode is set to Normal (2816), and COOLPIX L3 records 13 pictures when image mode is set to Normal (2592).

Option	Description
Multi-shot 16	Each time shutter-release button is pressed, camera takes 16 shots at about 2 frames per second and arrange them in a single picture (2,816 × 2,112 (COOLPIX L2)/2,592 × 1,944 (COOLPIX L3) image size) as shown at right. 

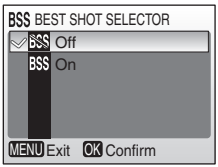
At settings other than **Single**, focus, exposure, and white balance are fixed at the values for the first picture in each series and the current setting is shown by an icon in the display.

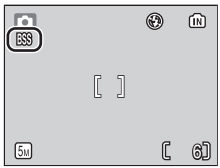


BSS BSS

The "best shot selector" (**BSS**) is recommended when shooting with the flash off or the camera zoomed in, or in other situations in which inadvertent motion can result in blurred pictures. When BSS is on, the camera takes up to ten pictures while the shutter-release button is pressed. The sharpest picture in the series is saved and the others are discarded.

A **BSS** icon is displayed when **BSS** is on.



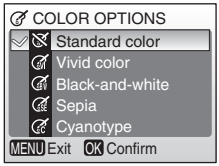


BSS

BSS may not produce the desired results if the subject moves or the composition is changed during shooting.

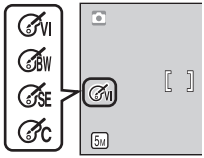
Color Options

Make colors more vivid or record pictures in monochrome.



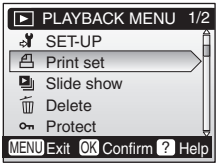
Option	Description
Standard color	Natural color.
Vivid color	Vivid, "photoprint" colors.
Black-and-white	Take pictures in black-and-white.
Sepia	Record pictures in sepia.
Cyanotype	Take pictures in blue-tinted monochrome.

The effects of the selected option can be previewed in the monitor. At settings other than **Standard Color**, the current setting is also indicated by an icon in the display.



Playback Options: The Playback Menu

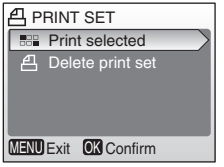
The playback menu contains the following options. See "Menus" for information on viewing and using the playback menu (60).



Option		Description	
	SET-UP	Display the setup menu.	63
	Print set	Select pictures for printing.	78
	Slide show	View pictures in an automatic slide show.	79
	Delete	Delete all or selected pictures.	80
	Protect	Protect selected pictures from accidental deletion.	80
	Transfer Marking	Change transfer marking for existing pictures.	80
	Small pic.	Create a small copy of the current picture.	81
	Copy	Copy files between memory card and internal memory.	82

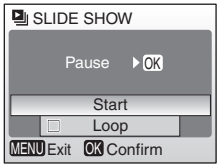
Print Set

Create digital "print orders" for PictBridge printers and devices that support DPOF (59).

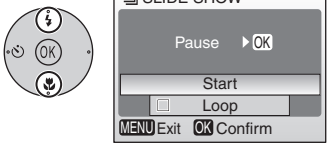


Slide Show

Play pictures back in an automated "slide show," with about three seconds between each picture.

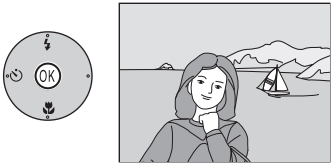


1



Highlight **Start**.

2



Begin slide show.

Movies

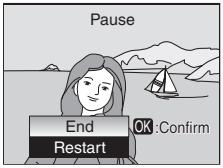
Movies appear in slide shows as still images of the first frame.

"Loop"

Select **Loop** to repeat the slide show until the center of the multi selector is pressed. Note that the monitor will turn off automatically if no operations are performed for 30 minutes.

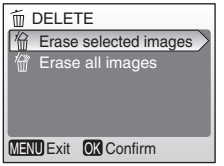
To skip to the next picture, press the multi selector to the right, or press the multi selector to the left to return to the previous picture. Hold the multi selector down to fast forward or rewind. To pause the slide show, press the center of the multi selector.

When the slide show ends or is paused, the menu shown at right will be displayed. Highlight **Restart** and press the center of the multi selector to restart the show, or select **End** to end the show and return to the playback menu.



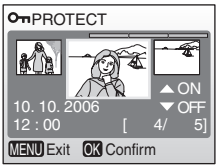
Delete

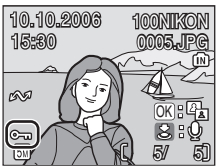
Delete all or selected pictures. Note that pictures marked with a icon are protected and cannot be deleted.



Protect

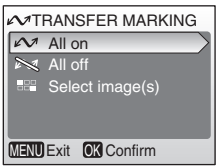
Protect selected pictures from accidental deletion. Protected pictures are marked with a icon (see right, below) and cannot be deleted using the button or the **Delete** option in the playback menu. Note, however, that formatting will delete protected files (70).



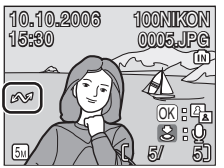


Transfer Marking

Mark pictures to be transferred automatically to a personal computer installed with "PictureProject" (bundled software) when the camera is connected to it via the supplied USB cable. In the default setting, all pictures will be marked.



Option		Description
	All on	Mark all images for transfer.
	All off	Remove transfer marking from all images.
	Select Image(s)	Mark selected pictures for transfer (62).

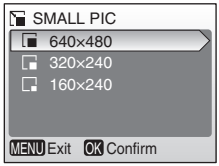


Pictures selected for transfer are marked with a icon.

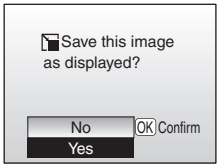
Small Pic.

Create a small copy of the current picture. Choose from the following sizes:

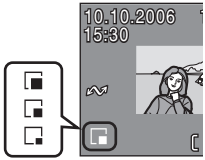
Option	Description
640×480	Suited to television playback.
320×240	Suited to display on web pages.
160×120	Suitable for e-mail.



A confirmation dialog will be displayed. Highlight **Yes** and press the center of the multi selector to create a copy at the chosen size.



During playback, small copies are indicated by a gray border; a , , or icon is displayed when copies are viewed full-frame.

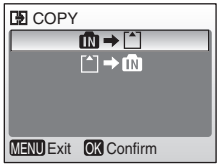


Small Picture

Small copies are compressed for reduced file size and may not display or transfer correctly when viewed on other models of Nikon camera. See the Appendix for more information on small copies (100).

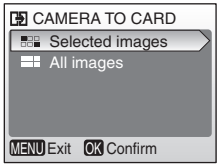
Copy

Copy pictures between internal memory and a memory card.

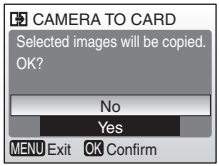


Option	Description
IN→	Copy pictures from internal memory to memory card.
→IN	Copy pictures from memory card to internal memory.

Selecting either of the above options displays the menu shown at right. Choose **Selected images** to select the pictures that will be copied (62) or **All images** to copy all pictures.



A confirmation dialog will be displayed. Highlight **Yes** and press the center of the multi selector to copy the images.



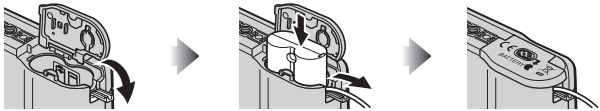
Copy

The camera may be unable to copy pictures that were created with another make of camera or that have been modified on a computer. See pages 99–100 for more information on how copies are stored.

Technical Notes

Optional Accessories

At the time of writing, the following optional accessories were available for this camera. Contact your local retailer or Nikon representative for details.

Rechargeable battery	Nikon EN-MH1 Rechargeable NiMH Batteries (EN-MH1-B2)
Battery charger	MH-71 battery charger
AC adapter	EH-65A AC adapter kit (connects as shown)  EH-62B AC adapter kit cannot be used.

Approved Memory Cards

The following cards have been tested and approved for use in the COOLPIX L2/L3:

SanDisk	64MB, 128MB, 256MB, 512MB, 1GB/256MB*, 512MB*, 1GB*
Toshiba	64MB, 128MB, 256MB, 512MB, 1GB/128MB*, 256MB*, 512MB*
Panasonic	64MB, 128MB, 256MB, 512MB, 1GB/256MB*, 512MB*, 1GB*

* High speed (10MB/s)

Other cards have not been tested. For more details on the above cards, please contact the manufacturer.

Memory Cards

- Use only Secure Digital (SD) memory cards.
- Format memory cards before first use (70).
- Do not eject the memory card, turn the camera off, remove the batteries, or disconnect the AC adapter during formatting or while data are being written to or deleted from the card. Failure to observe this precaution could result in loss of data or damage to the camera or card.
- Do not disassemble or modify.
- Do not drop, bend, or expose to water or strong physical shocks.
- Do not touch the metal terminals with your fingers or metal objects.
- Do not affix labels or stickers to the memory card.
- Do not leave in direct sunlight, closed vehicles, or areas exposed to high temperatures.
- Do not expose to high levels of humidity or to corrosive gas.

Caring for the Camera

To ensure continued enjoyment of this Nikon product, observe the following precautions when storing or using the device.

☑ Handle the lens and all moving parts with care

Do not apply force to the lens, monitor, memory card slot, or battery-chamber and lens covers. These parts are easily damaged. Force applied to the lens cover could cause malfunction or damage the lens. Should the monitor break, care should be taken to avoid injury due to broken glass and to prevent the liquid crystal from the display touching the skin or entering the eyes or mouth.

☑ Do not point the lens at strong light sources for extended periods

Avoid pointing the lens at the sun or other strong light sources for extended periods when using or storing the camera. Intense light may cause deterioration in the CCD image sensor, producing a white blur effect in photographs.

☑ Turn the product off before removing or disconnecting the power source

Do not unplug the product or remove the batteries while the product is on, or while images are being recorded or deleted. Forcibly cutting power in these circumstances could result in loss of data or in damage to product memory or internal circuitry. To prevent an accidental interruption of power, avoid carrying the product from one place to another while an AC adapter is connected.

☑ Keep dry

The device will be damaged if immersed in water or subjected to high levels of moisture.

☑ Do not drop

The product may malfunction if subjected to strong shocks or vibration.

☑ Keep away from strong magnetic fields

Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields. Strong static charges or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage data stored on the memory card, or affect the product's internal circuitry.

☑ Avoid sudden changes in temperature

Sudden changes in temperature, such as occur when entering or leaving a heated building on a cold day, can cause condensation inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

Batteries

- Check the battery level when taking the camera out and replace the batteries if necessary (13). If possible, carry spare batteries when taking pictures on important occasions.
- Battery capacity tends to decrease on cold days. Be sure that the batteries are fresh before heading outside to take pictures in cold weather. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.
- Dirt on the battery terminals can prevent the camera from functioning.
- Used batteries are a valuable resource. Please recycle used batteries in accordance with local regulations.

Cleaning

Lens	Avoid touching glass parts with your fingers. Remove dust or lint with a *blower* (typically a small device with a rubber bulb attached to one end that is pumped to produce a stream of air out the other). To remove fingerprints or other stains that cannot be removed with a blower, wipe the lens with a soft cloth, using a spiral motion that starts in the center of the lens and works out to the edges. If this fails, clean the lens using a cloth lightly dampened with commercial lens cleaner.
Monitor	Remove dust or lint with a blower. To remove fingerprints and other stains, clean the monitor with a soft, dry cloth, being careful not to apply pressure.
Body	Use a blower to remove dust, dirt, or sand then wipe gently with a soft, dry cloth. After using the camera at the beach or seaside, wipe off any sand or salt with a dry cloth lightly dampened with fresh water, then dry thoroughly. Note that foreign matter inside the camera could cause damage not covered under warranty.

Do not use alcohol, thinner, or other volatile chemicals.

Storage

Turn the camera off when not in use. Check that the power-on lamp is off before putting the camera away and remove the batteries if the camera will not be used for an extended period. Do not store the camera with naptha or camphor moth balls or in locations that:

- are next to equipment that produces strong electromagnetic fields, such as televisions or radios
- are exposed to temperatures below –10°C (14°F) or above 50°C (122°F)
- are poorly ventilated or subject to humidities of over 60%

To prevent mold or mildew, take the camera out of storage at least once a month. Turn the camera on and release the shutter a few times before putting the camera away again.

Notes on the Monitor

- The monitor may contain a few pixels that are always lit or that do not light. This is a characteristic common to all TFT LCD displays, and does not indicate a malfunction. Images recorded using the product will not be affected.
- When you frame bright subjects, vertical comet-like streaks that whiten toward either end may appear in the display. This phenomenon, known as "smear," does not appear in the final photograph and does not indicate a malfunction. Some smear may appear in movies.
- Images in the monitor may be difficult to see in a bright light.
- The monitor is lit by an LED backlight. Should the monitor begin to dim or flicker, contact your Nikon service representative.

Error Messages

The following table lists the error messages and other warnings that appear in the monitor and how to deal with them.

Display	Problem	Solution	
(blinks)	Clock not set.	Set clock.	64
	Batteries running low.	Ready spare batteries.	6
WARNING!! BATTERY EXHAUSTED	Batteries exhausted.	Replace batteries.	6, 71
AF● (● blinks red)	Camera cannot focus.	Recompose picture.	15
(blinks)	Slow shutter speed. Pictures may be blurred.	Use flash, or steady camera using tripod, by placing camera on level surface, or by holding camera in both hands with elbows against torso.	16, 18
WARNING!! PLEASE WAIT FOR CAMERA TO FINISH RECORDING	Camera cannot perform other operations until recording is complete.	Message clears from display automatically when recording is complete.	—
MEMORY CARD IS WRITE PROTECTED	Write-protect switch is in "Lock" position.	Slide write-protect to "write" position.	12
THIS CARD CANNOT BE USED	Error accessing memory card.	• Use approved card. • Check that connectors are clean. • Confirm that memory card is correctly inserted.	83 — 11
WARNING!! THIS CARD CANNOT BE READ			
CARD IS NOT FORMATTED Format No	Memory card has not been formatted for use in camera.	Highlight **Format** and press OK to format card, or turn camera off and replace card.	11, 70

Display	Problem	Solution	
IMAGE CANNOT BE SAVED (IN) or	Error occurred while recording picture.	Format internal memory or memory card.	70
	Camera has run out of file numbers.	• Insert new memory card. • Format internal memory or memory card.	11 70
	Cannot create cropped, D-lighting, or small copy.	Select picture that supports crop, D-lighting, or small picture.	100
	Picture cannot be used for welcome screen.	Choose picture 640×480 pixels or larger.	—
	Cannot copy picture.	Delete pictures from destination.	80
NO SOUND FILE	No voice recording data in the internal memory or memory card.	Press ▶ to change to the voice recording mode.	33
CANNOT RECORD MOVIE	Time out error while recording movie.	Choose memory card with faster write speed.	83
OUT OF MEMORY (IN) or	Memory card is full.	• Choose smaller image size. • Delete pictures. • Insert new memory card. • Remove memory card and use internal memory.	72 80 11 11
CARD CONTAINS NO IMAGES	No pictures available for playback.	—	—
FILE CONTAINS NO IMAGE DATA	File not created with COOLPIX L2/L3.	View file on computer or other device.	—
ALL IMAGES ARE HIDDEN	No pictures available for display in welcome screen or slide show.	—	—
THIS IMAGE CANNOT BE DELETED	Picture is protected.	Remove protection.	80

Display	Problem	Solution	
NEW CITY IS IN THE CURRENT TIME ZONE ⚠	Destination in same time zone as home.	No need to change time zones if destination is in same time zone as home.	64
LENS ERROR ⚠	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon representative.	13
COMMUNICATIONS ERROR	USB cable disconnected during transfer or printing.	If PictureProject displays error, click **OK** to exit. Resume operation after turning camera off and reconnecting cable.	49
	USB option incorrect.	Choose correct **USB** option.	51
	PictureProject did not start.	See the PictureProject reference manual (on CD) for more information.	—
NO IMAGES ARE MARKED FOR TRANSFER	No pictures selected for transfer.	Select pictures for transfer and try again.	80
TRANSFER ERROR	Transfer error.	• Check battery level. • Check that USB cable is connected.	13 49
SYSTEM ERROR ⚠	Error has occurred in camera's internal circuitry.	Turn camera off, remove and reinsert batteries, and turn camera on. If error persists, contact retailer or Nikon representative.	6, 13
PRINTER ERROR CHECK PRINTER STATUS	Printer error.	Check printer. To resume, highlight **Resume** (if available) and press ⓞⓚ.	—

If the camera fails to function as expected, check the list of common problems below before consulting your reta

Problem	Cause/Solution	
Camera cannot focus using auto-focus	• Subject is low in contrast, dominated by repeating geometric patterns, covers too small an area of the frame, or contains many fine details, objects of sharply differing brightness, or objects at different distances from the camera. Use focus lock to focus on another subject at same distance. • Focus error. Turn camera off and then on again.	15 13
Pictures are blurred	• Use flash. • Use BSS. • Use tripod and self-timer.	18 76 20
Pictures are too dark (underexposed)	• Flash is off. • Flash window is blocked. • Subject is outside range of flash. • Exposure compensation is too low. • Subject is backlit: select (scene mode) or use fill flash.	18 14 18 75 18, 31
Randomly-spaced bright pixels ("noise") appear in image	Shutter speed too slow. Noise can be reduced by: • Using flash • Choosing , , , , , , , , or in scene mode	 18 23
Pictures are smeared	Lens is dirty. Clean lens.	86
Colors are unnatural	White balance does not match light source.	73
Flash does not fire	Flash is off. Note that flash turns off automatically in mode and some scene modes or when option other than **Single** is selected for **Continuous** or **BSS** is on.	18, 75, 97
Bright specks in pictures taken with flash	Flash is reflecting from particles in air. Turn flash off.	18

Problem	Cause/Solution	
Blur warning is not displayed	Blur warning is not displayed in self-timer mode or when , , , or is selected in scene mode, option other than **Single** is selected for **Continuous**, or **BSS** is on.	20, 28, 31, 75, 76
No sound when shutter is released	**Off** selected for **Sound settings**>**Shutter sound**.	68
Optical zoom cannot be used	Optical zoom cannot be used while shooting movies.	39
Digital zoom cannot be used	Digital zoom is not available in framing assist modes or when option other than **Single** is selected for **Continuous**.	23, 39, 75
Image mode not available	**Image mode** cannot be adjusted when **Multi-shot 16** is selected for **Continuous** or "Sports composite" is selected in scene mode.	28, 75
Date imprint not available	Camera clock has not been set.	64
Date not appearing on pictures	Date does not appear on movies or on pictures taken using panorama assist.	32, 40
File cannot be played back	File has been overwritten or renamed by computer or other make of camera.	—
Cannot zoom in on picture	Playback zoom cannot be used with movies, small pictures, or pictures that have been cropped to below 320× 240.	—
Cannot record voice memo	Voice memos cannot be appended to movies.	—
Cannot use crop, D-lighting, or small picture options	These options cannot be used with movies and may not be available with pictures created with other cameras. Select picture that supports crop, D-lighting, or small picture.	100
Cannot mark pictures for transfer	No more than 999 pictures can be marked for transfer. Use PictureProject **Transfer** button to transfer pictures.	50
Transfer marking does not appear	Pictures were marked for transfer using another model of camera. Mark pictures for transfer using COOLPIX L2/L3.	—

Problem	Cause/Solution	
PictureProject does not start when camera is connected	• Camera is off. • Batteries are exhausted. • USB cable is not correctly connected. • Appropriate **USB** option is not selected. • Camera is not registered in Device Manager (Windows only). See the PictureProject reference manual (on CD) for further information.	13 13 49 51 —
Pictures not displayed on television	Choose correct video mode.	48
Format memory > **Format** option not available	Batteries are low.	13, 70

Electronically Controlled Cameras

In extremely rare instances, unusual characters may appear in the monitor and the camera may stop functioning. In most cases, this phenomenon is caused by a strong external static charge. Turn the camera off, remove and replace the batteries, and then turn the camera on again. In the event of continued malfunction, contact your retailer or Nikon representative. Note that disconnecting the power source as described above may result in the loss of any data not recorded to internal memory or the memory card at the time the problem occurred. Data already recorded will not be affected.

Appendix

Defaults (📖 42, 61, 63, 72)
Choosing **Reset** for **Reset all** restores the following default settings:

Option	Default
mode	
Flash mode (📖 18)	Auto
Self timer (📖 20)	Off
Macro close-up (📖 22)	Off
Setup menu	
Welcome screen (📖 64)	Animation
Photo info (📖 66)	Show info
Brightness (📖 66)	3
Date imprint (📖 67)	Off
Button sound (📖 68)	On
Shutter sound (📖 68)	Normal
Start-up sound (📖 68)	Normal
Blur warning (📖 69)	On
Auto off (📖 69)	1 min.
Sleep Mode (📖 69)	Off
Auto transfer (📖 71)	On
Menus (📖 64)	Text

Option	Default
Scene mode (📖 23)	PORTRAIT
Portrait assist (📖 25)	
Landscape assist (📖 27)	
Sports assist (📖 28)	
Night portrait assist (📖 28)	
Shooting menu	
Image mode (📖 72)	Normal (2816) (COOLPIX L2)/ Normal (2592) (COOLPIX L3)
White balance (📖 73)	Auto
Exposure compensation (📖 75)	0
Continuous (📖 75)	Single
BSS (📖 76)	Off
Color Options (📖 77)	Standard color
Movie menu	
Movie options (📖 41)	Small size 320
Auto-focus mode (📖 42)	Single AF
PictBridge	
Paper size (📖 56)	Default

Choosing **Reset** also clears the current file number (99) from memory. Numbering will continue from the lowest number available (to reset file numbering to 0001, delete all pictures before selecting **Reset**). All other settings are unaffected, including **Date** (64), **Date counter** (67), **Language** (70), **USB** (71), **Video mode** (71), and **Battery Type** (71).

Supported Standards

- **DCF**: Design Rule for Camera File System (DCF) is standard widely used in the digital camera industry to ensure compatibility among different makes of camera.
- **DPOF**: Digital Print Order Format (DPOF) is an industry-wide standard that allows pictures to be printed from print orders stored on the memory card.
- **Exif version 2.2**: This camera supports Exif (Exchangeable Image File Format for Digital Still Cameras) version 2.2, a standard that allows information stored with photographs to be used for optimal color reproduction when images are output on Exif-compliant printers.
- **PictBridge**: A standard developed by in cooperation with the digital camera and printer industries, allowing photographs to be output directly to a printer without connecting the camera to a computer.

Scene Mode Settings (23)

The following table lists the default flash mode, self-timer, and macro close-up settings for each scene. These settings are restored when the camera is turned off, (auto) or (movie) mode is selected, pictures are played back, or **Reset** is selected for **Reset all** in the setup menu. Settings in parentheses can be changed.

Mode	Flash mode (18)	Self-timer (20)	Macro close-up (22)
Portrait	(,)	(OFF)	OFF
Landscape	/(**AUTO**)*	(OFF)	OFF
Sports		OFF	OFF
Night portrait	,	(OFF)	OFF
Party/Indoor	(,)	(OFF)	OFF
Beach/Snow	(**AUTO**)	(OFF)	OFF
Sunset		(OFF)	OFF
Dusk/Dawn		(OFF)	OFF
Night landscape		(OFF)	OFF
Close up	(**AUTO**)	(OFF)	ON
Museum		(OFF)	(OFF)
Fireworks show		OFF	OFF
Copy	( )	(OFF)	(OFF)
Back light		(OFF)	OFF
Panorama assist		OFF	OFF

* Default for **GROUP RIGHT** and **GROUP LEFT** is **AUTO**. Other modes can be selected.

Image Mode (72) and Movie Options (41)
The following table lists the number of pictures or maximum total movie length that can be stored in internal memory and on a 256MB memory card, together with the size of still pictures.

Image mode/ Movie Options	Internal memory (23MB)	256MB memory card	Print size (printed at 300dpi) (cm/in.)
High (2816★) (COOLPIX L2)	8	83	24×18 / 9½×7
High (2592★) (COOLPIX L3)	9	98	22×16.5 / 8½×6½
Normal (2816) (COOLPIX L2)	16	165	24×18 / 9½×7
Normal (2592) (COOLPIX L3)	18	192	22×16.5 / 8½×6½
Normal (2048)	29	302	17×13 / 7×5
PC screen (1024)	99	1028	9×7 / 3½×2½
TV screen (640)	213	2203	5×4 / 2×1½
TV movie 640★	21s	3min. 39s	—
TV movie 640	42s	7min. 15s	—
Small size 320★	42s	7min. 15s	—
Small size 320	1min. 22s	14min. 16s	—
Smaller size 160	4min. 33s	47min. 8s	—

* All figures are approximate. Maximum total movie length and number of pictures that can be stored varies with make of memory card and, in the case of JPEG images, with the type of scene recorded. If memory remains for more than 9999 pictures, exposure count display will show 9999.

Restrictions on Camera Settings (72)
Restrictions apply to the following settings in mode:

Flash mode	Flash turns off at **Continuous** settings other than **Single** or when **BSS** is on. Original mode is restored when **Single** is selected or **BSS** is turned off.
Self timer	If self-timer is on, only one shot will be taken when shutter is

Image File and Folder Names
Pictures, movies, voice recording and voice memos are assigned file names with three parts: a four letter identifier, a four-digit file number assigned automatically by the camera in ascending order, and a three-letter extension (e.g., "DSCN0001.JPG").

Pictures are stored in folders named with a three-digit folder number followed by a five-character identifier: "P_" plus a three-digit sequence number for pictures taken using panorama assist (e.g, "101P_001"; 31) and "NIKON" for all other pictures (e.g, "100NIKON"). Folders can hold up to 200 pictures; if a picture is taken when the current folder contains 200 pictures, a new folder will be created by adding one to the

current folder number. (Not)-6.3(e)0.7(s)]TJ/F2 1 Tf7.418.9 3 Tcr

GMT +/–	Location
–2	Fernando de Noronha
–1	Azores
±0	London, Casablanca

GMT +/–	Location
+10	Sydney, Guam
+11	New Caledonia
+12	Auckland, Fiji

Refreshing Nikon EN-MH1 Rechargeable NiMH Batteries (6, 83)

An MH-71 battery charger and rechargeable EN-MH1 NiMH batteries are provided with the camera in some regions and are also available as options (83). NiMH batteries may suffer a temporary drop in capacity if charged after long periods of disuse or before being fully discharged. They will return to normal after being refreshed a few times as described below.

1. Insert both batteries into the charger (6).
2. Press the REFRESH button until the REFRESH lamp lights and close the lid. The REFRESH lamp turns off when the batteries are fully discharged. The batteries can now be removed or left in the MH-71 to recharge (6). Unplug the charger after removing the batteries.

   To resume charging before the batteries are fully discharged, or to refresh the batteries once charging has begun, press the REFRESH button for about two seconds.

Batteries that retain a charge for only short periods after being refreshed have reached the end of their working life and can no longer be used.

Exposure control	Programmed auto exposure with exposure compensation (–2.0–+2.0EV in steps of 1/3EV)
Range	W: +2.5–+16.0EV T: +4.1–+17.5EV
Shutter	Mechanical and charge-coupled electronic shutter
Speed	4–1/1500s
Aperture	Magnetically controlled
Range	f/3.2 and f/6.4 (W)
ISO sensitivity	Approximately equivalent to ISO 50 (auto gain to ISO 200)
Self-timer	Approximately 10 seconds
Built-in flash	
Range (approx.)	W: 0.3–3.0m/1ft.–9ft. 10in. T: 0.3–1.75m/1ft.–5ft. 9in.
Sync method	Sensor flash system
I/O terminals	Audio video out/digital IO (USB)
Interface	USB
Video output	Can be selected from NTSC and PAL
Supported languages	Chinese (Simplified and Traditional), Dutch, English, French, German, Italian, Japanese, Korean, Russian, Spanish, Swedish
Power sources	• Two AA alkaline, oxyride, or lithium batteries • Two rechargeable EN-MH1 NiMH batteries • EH-65A AC adapter kit
Battery life	COOLPIX L2: Approximately 180 shots with alkaline, 600 shots with lithium, or 320 shots with EN-MH1 batteries* COOLPIX L3: Approximately 200 shots with alkaline, 630 shots with lithium, or 330 shots with EN-MH1 batteries*
Approximate dimensions	91 × 60.5 × 26mm/3.6 × 2.4 × 1in. (W × H × D)
Approximate weight	120g (4.2oz.) without battery or memory card
Operating environment	
Temperature	0–+40°C (+32–104°F)
Humidity	Less than 85% (no condensation)

* Based on Camera and Imaging Products Association (CIPA) standard for measuring life of camera batteries. Measured at 25°C (77°F); zoom adjusted with each shot, flash fired with every other shot, image mode set to NORMAL.

Unless otherwise stated, all figures are for a camera with fully-charged EN-MH1 batteries operated at an ambient temperature of 25°C (77°F).

MH-71 Battery Charger (Option; Supplied with Camera in Some Regions)	
Rated input	AC 100–240V, 0.11–0.065A, 50/60Hz
Charging output	DC 1.2V/2000mA
Applicable batteries	Nikon EN-MH1 rechargeable Ni-MH batteries
Discharge time	Approximately 5 hours
Charging time	Approximately 2.5 hours
Operating temperature	5–35°C (+41–95°F)
Approximate dimensions	70 × 79 × 30mm/2.8 × 3.1 × 1.2in. (W × H × D)
Length of cord	Approximately 1800mm (70.9in.)
Approximate weight	110g (3.9oz.), excluding power cable

Specifications

Nikon will not be held liable for any errors this manual may contain. The appearance of this product and its specifications are subject to change without notice.

EN-MH1 NiMH Batteries

The capacity of NiMH batteries will drop if they are charged repeatedly without first being fully discharged. The batteries will return to normal once fully discharged. Note that NiMH batteries gradually lose their charge when not in use; refresh the batteries immediately before use.

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